

APR 19 2001

Page 1 of 11

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION V

DATE: April 19, 2001

EPA Region 5 Records Ctr.



364213

SUBJECT: Review of Data  
Received for Review on April 18, 2001

FROM: Stephen L. Ostrodka, Chief (SMF-4J)  
Superfund Field Services Section

TO: Data User: IEPA

The data in this case has not been validated.  
We have compiled the CADRE files into a narrative format for the following case:

SITE NAME: Wisconsin Steel

CASE NUMBER: 29118 SDG NUMBER: ME0001

Number and Type of Samples: 20 soils

Sample Numbers: ME0001-20

Laboratory: Compuchem Hrs. for Review: \_\_\_\_\_

Following are our findings:

CC: Cecilia Moore  
Region 5 TPO  
Mail Code: SM-5J

**RECEIVED**  
**APR 23 2001**  
**IEPA-BOL-FSRS**

Case Number : 29118  
Site Name: Wisconsin Steel

Page 2 of 11  
SDG Number: ME0001  
Laboratory: Compuchem

**Below is a summary of the out-of-control audits and the possible effects on the data for this case:**

NUMBER (##) MATRIX samples numbered ##, were collected on DATE. The lab received the samples on DATE in good condition. All samples were analyzed for metals and cyanide. All samples were analyzed using CLP SOW ILM04.1 analysis procedures.

Mercury analysis was performed using a Cold Vapor AA Technique. Cyanide analysis was performed using the MIDI Distillation procedure. The remaining inorganic analyses were performed using an Inductively Coupled Plasma-Atomic Emission Spectrometric procedure.

Assembled By: ESAT  
Date: April 19, 2001

1. HOLDING TIME:

Holding Time Report

SDG NO: ME0001

HOLDING TIME CRITERIA

Inorganic

|         | -- Holding Time -- |          | pH      |          |
|---------|--------------------|----------|---------|----------|
|         | Primary            | Expanded | Primary | Expanded |
| Metals  | 180                | 0        | 2.0     | 0.0      |
| Mercury | 28                 | 0        | 2.0     | 0.0      |
| Cyanide | 14                 | 0        | 12.0    | 0.0      |

EC-280: The following inorganic soil samples were reviewed for holding time violations using criteria developed for water samples.

ME0001, ME0001D, ME0001S, ME0002, ME0003, ME0004  
ME0005, ME0006, ME0007, ME0008, ME0009, ME0010  
ME0011, ME0012, ME0013, ME0014, ME0015, ME0016  
ME0017, ME0018, ME0019, ME0020

2. CALIBRATIONS:

Calibration Report

SDG NO: ME0001

CALIBRATION CRITERIA

Inorganic

Percent Recovery Limits

|         | --- Primary --- |        | -- Expanded -- |        |
|---------|-----------------|--------|----------------|--------|
|         | Low             | High   | Low            | High   |
| Cyanide | 85.00           | 115.00 | 70.00          | 130.00 |
| AA      | 90.00           | 110.00 | 75.00          | 125.00 |
| ICP     | 90.00           | 110.00 | 75.00          | 125.00 |
| Mercury | 80.00           | 120.00 | 65.00          | 135.00 |

No problems found for this qualification.

3. BLANKS:

Assembled By: ESAT  
Date: April 19, 2001

|||||  
Laboratory Blanks Report

SDG NO: ME0001  
|||||

LABORATORY BLANKS CRITERIA  
-----

DC-283: The following inorganic samples are associated with a blank analyte with negative concentration whose absolute value is greater than the instrument detection limit (IDL). Professional judgement should be used to qualify the data.

ME0001  
Beryllium, Calcium, Zinc, Cyanide

ME0001A  
Beryllium

ME0001D  
Beryllium, Calcium, Zinc, Cyanide

ME0001S  
Beryllium, Zinc, Cyanide

ME0002  
Aluminum, Beryllium, Calcium, Zinc  
Cyanide

ME0003  
Aluminum, Beryllium, Calcium, Zinc  
Cyanide

ME0004  
Aluminum, Beryllium, Calcium, Zinc  
Cyanide

ME0005  
Beryllium, Calcium, Zinc, Cyanide

ME0006  
Beryllium, Calcium, Zinc, Cyanide

ME0007  
Beryllium, Calcium, Zinc, Cyanide

ME0008  
Beryllium, Calcium, Zinc, Cyanide

ME0009  
Beryllium, Calcium, Zinc, Cyanide

ME0010  
Beryllium, Calcium, Zinc, Cyanide

ME0011  
Beryllium, Calcium, Zinc, Cyanide

ME0012  
Beryllium, Calcium, Zinc, Cyanide

Assembled By: ESAT  
Date: April 19, 2001

Case Number : 29118  
Site Name: Wisconsin Steel

Page 5 of 11  
SDG Number: ME0001  
Laboratory: Compuchem

- ME0013  
Beryllium, Calcium, Zinc, Cyanide
- ME0014  
Beryllium, Calcium, Zinc, Cyanide
- ME0015  
Beryllium, Calcium, Zinc, Cyanide
- ME0016  
Beryllium, Calcium, Zinc, Cyanide
- ME0017  
Beryllium, Calcium, Zinc, Cyanide
- ME0018  
Beryllium, Calcium, Zinc, Cyanide
- ME0019  
Beryllium, Calcium, Zinc, Cyanide
- ME0020  
Beryllium, Calcium, Zinc, Cyanide

DC-284: The following inorganic samples are associated with a blank concentration which is greater than the instrument detection limit (IDL). The sample concentration is also greater than the IDL and less than five times the blank concentration. Hits are qualified "J"; non-detects are not flagged.

Barium  
ME0001A

Beryllium  
ME0001A, ME0005, ME0007

Silver  
ME0001A, ME0004, ME0006

Sodium  
ME0004, ME0006, ME0008, ME0009, ME0010, ME0012  
ME0013, ME0014, ME0015, ME0016, ME0017, ME0018

Vanadium  
ME0001A

DC-338: During review of the following inorganic samples, the reported IDL/default CRDL value was used for cyanide.

ME0001, ME0001D, ME0001S, ME0002, ME0003, ME0004  
ME0005, ME0006, ME0007, ME0008, ME0009, ME0010  
ME0011, ME0012, ME0013, ME0014, ME0015, ME0016  
ME0017, ME0018, ME0019, ME0020

4. MATRIX SPIKE/MATRIX SPIKE DUPLICATE AND LAB CONTROL SAMPLE:

::

Matrix Spike Report

Assembled By: ESAT  
Date: April 19, 2001

SDG NO: MEC001



MATRIX SPIKE CRITERIA

Inorganic

Percent Recovery Limits

|               |       |
|---------------|-------|
| Upper         | 125.0 |
| Lower         | 75.0  |
| Extreme lower | 30.0  |

DC-268: The following inorganic samples are associated with a matrix spike recovery which is low (30-74 %) indicating that sample results may be biased low.  
Hits are qualified "J" and non-detects are qualified "UJ".

Antimony

- ME0001, ME0001A, ME0001D, ME0002, ME0003, ME0004
- ME0005, ME0006, ME0007, ME0008, ME0009, ME0010
- ME0011, ME0012, ME0013, ME0014, ME0015, ME0016
- ME0017, ME0018, ME0019, ME0020

Arsenic

- ME0001, ME0001A, ME0001D, ME0002, ME0003, ME0004
- ME0005, ME0006, ME0007, ME0008, ME0009, ME0010
- ME0011, ME0012, ME0013, ME0014, ME0015, ME0016
- ME0017, ME0018, ME0019, ME0020

Barium

- ME0001, ME0001A, ME0001D, ME0002, ME0003, ME0004
- ME0005, ME0006, ME0007, ME0008, ME0009, ME0010
- ME0011, ME0012, ME0013, ME0014, ME0015, ME0016
- ME0017, ME0018, ME0019, ME0020

Beryllium

- ME0001, ME0001A, ME0001D, ME0002, ME0003, ME0004
- ME0005, ME0006, ME0007, ME0008, ME0009, ME0010
- ME0011, ME0012, ME0013, ME0014, ME0015, ME0016
- ME0017, ME0018, ME0019, ME0020

Cadmium

- ME0001, ME0001A, ME0001D, ME0002, ME0003, ME0004
- ME0005, ME0006, ME0007, ME0008, ME0009, ME0010
- ME0011, ME0012, ME0013, ME0014, ME0015, ME0016
- ME0017, ME0018, ME0019, ME0020

Cobalt

- ME0001, ME0001A, ME0001D, ME0002, ME0003, ME0004
- ME0005, ME0006, ME0007, ME0008, ME0009, ME0010
- ME0011, ME0012, ME0013, ME0014, ME0015, ME0016
- ME0017, ME0018, ME0019, ME0020

Nickel

- ME0001, ME0001A, ME0001D, ME0002, ME0003, ME0004
- ME0005, ME0006, ME0007, ME0008, ME0009, ME0010
- ME0011, ME0012, ME0013, ME0014, ME0015, ME0016
- ME0017, ME0018, ME0019, ME0020

Selenium

- ME0001, ME0001A, ME0001D, ME0002, ME0003, ME0004
- ME0005, ME0006, ME0007, ME0008, ME0009, ME0010

Assembled By: ESAT  
Date: April 19, 2001

Case Number : 29118  
Site Name: Wisconsin Steel

Page 7 of 11  
SDG Number: ME0001  
Laboratory: Compuchem

ME0011, ME0012, ME0013, ME0014, ME0015, ME0016  
ME0017, ME0018, ME0019, ME0020

**Thallium**

ME0001, ME0001A, ME0001D, ME0002, ME0003, ME0004  
ME0005, ME0006, ME0007, ME0008, ME0009, ME0010  
ME0011, ME0012, ME0013, ME0014, ME0015, ME0016  
ME0017, ME0018, ME0019, ME0020

**Vanadium**

ME0001, ME0001A, ME0001D, ME0002, ME0003, ME0004  
ME0005, ME0006, ME0007, ME0008, ME0009, ME0010  
ME0011, ME0012, ME0013, ME0014, ME0015, ME0016  
ME0017, ME0018, ME0019, ME0020

DC-269: The following inorganic samples are associated with a matrix spike recovery which is extremely low (<30 %) indicating that sample results may be biased low.  
Hits are qualified "J" and non-detects are qualified "R".

**Silver**

ME0001, ME0001A, ME0001D, ME0002, ME0003, ME0004  
ME0005, ME0006, ME0007, ME0008, ME0009, ME0010  
ME0011, ME0012, ME0013, ME0014, ME0015, ME0016  
ME0017, ME0018, ME0019, ME0020

=====  
**LCS Report**

SDG NO: ME0001

=====  
No problems found for this qualification.

**5. LABORATORY AND FIELD DUPLICATE**

=====  
**Duplicates Report**

SDG NO: ME0001

=====  
DC-330: The following inorganic samples are associated with duplicate results which did not meet absolute difference criteria.  
Hits are qualified "J" and non-detects are qualified "UJ".

**Silver**

ME0001, ME0001S, ME0002, ME0003, ME0004, ME0005  
ME0006, ME0007, ME0008, ME0009, ME0010, ME0011  
ME0012, ME0013, ME0014, ME0015, ME0016, ME0017  
ME0018, ME0019, ME0020

**6. ICP ANALYSIS**

=====  
Assembled By: ESAT  
Date: April 19, 2001

ICS Report

SDG NO: ME0001

DC-307: The following inorganic samples have no associated ICS analyses.  
Manual review of the data is required.

ME0001

Aluminum, Antimony, Arsenic, Barium  
Beryllium, Cadmium, Calcium, Chromium  
Cobalt, Copper, Iron, Lead  
Magnesium, Manganese, Nickel, Selenium  
Silver, Thallium, Vanadium, Zinc

ME0002

Aluminum, Antimony, Arsenic, Barium  
Beryllium, Cadmium, Calcium, Chromium  
Cobalt, Copper, Iron, Lead  
Magnesium, Manganese, Nickel, Selenium  
Silver, Thallium, Vanadium, Zinc

ME0003

Aluminum, Antimony, Arsenic, Barium  
Beryllium, Cadmium, Calcium, Chromium  
Cobalt, Copper, Iron, Lead  
Magnesium, Manganese, Nickel, Selenium  
Silver, Thallium, Vanadium, Zinc

ME0004

Aluminum, Antimony, Arsenic, Barium  
Beryllium, Cadmium, Calcium, Chromium  
Cobalt, Copper, Iron, Lead  
Magnesium, Manganese, Nickel, Selenium  
Silver, Thallium, Vanadium, Zinc

ME0005

Aluminum, Antimony, Arsenic, Barium  
Beryllium, Cadmium, Calcium, Chromium  
Cobalt, Copper, Iron, Lead  
Magnesium, Manganese, Nickel, Selenium  
Silver, Thallium, Vanadium, Zinc

ME0006

Aluminum, Antimony, Arsenic, Barium  
Beryllium, Cadmium, Calcium, Chromium  
Cobalt, Copper, Iron, Lead  
Magnesium, Manganese, Nickel, Selenium  
Silver, Thallium, Vanadium, Zinc

ME0007

Aluminum, Antimony, Arsenic, Barium  
Beryllium, Cadmium, Calcium, Chromium  
Cobalt, Copper, Iron, Lead  
Magnesium, Manganese, Nickel, Selenium  
Silver, Thallium, Vanadium, Zinc

ME0008

Aluminum, Antimony, Arsenic, Barium  
Beryllium, Cadmium, Calcium, Chromium  
Cobalt, Copper, Iron, Lead  
Magnesium, Manganese, Nickel, Selenium  
Silver, Thallium, Vanadium, Zinc

Assembled By: ESAT  
Date: April 19, 2001

Case Number : 29118  
Site Name: Wisconsin Steel

Page 9 of 11  
SDG Number: ME0001  
Laboratory: Compuchem

ME0009

Aluminum, Antimony, Arsenic, Barium  
Beryllium, Cadmium, Calcium, Chromium  
Cobalt, Copper, Iron, Lead  
Magnesium, Manganese, Nickel, Selenium  
Silver, Thallium, Vanadium, Zinc

ME0010

Aluminum, Antimony, Arsenic, Barium  
Beryllium, Cadmium, Calcium, Chromium  
Cobalt, Copper, Iron, Lead  
Magnesium, Manganese, Nickel, Selenium  
Silver, Thallium, Vanadium, Zinc

ME0011

Aluminum, Antimony, Arsenic, Barium  
Beryllium, Cadmium, Calcium, Chromium  
Cobalt, Copper, Iron, Lead  
Magnesium, Manganese, Nickel, Selenium  
Silver, Thallium, Vanadium, Zinc

ME0012

Aluminum, Antimony, Arsenic, Barium  
Beryllium, Cadmium, Calcium, Chromium  
Cobalt, Copper, Iron, Lead  
Magnesium, Manganese, Nickel, Selenium  
Silver, Thallium, Vanadium, Zinc

ME0013

Aluminum, Antimony, Arsenic, Barium  
Beryllium, Cadmium, Calcium, Chromium  
Cobalt, Copper, Iron, Lead  
Magnesium, Manganese, Nickel, Selenium  
Silver, Thallium, Vanadium, Zinc

ME0014

Aluminum, Antimony, Arsenic, Barium  
Beryllium, Cadmium, Calcium, Chromium  
Cobalt, Copper, Iron, Lead  
Magnesium, Manganese, Nickel, Selenium  
Silver, Thallium, Vanadium, Zinc

ME0015

Aluminum, Antimony, Arsenic, Barium  
Beryllium, Cadmium, Calcium, Chromium  
Cobalt, Copper, Iron, Lead  
Magnesium, Manganese, Nickel, Selenium  
Silver, Thallium, Vanadium, Zinc

ME0016

Aluminum, Antimony, Arsenic, Barium  
Beryllium, Cadmium, Calcium, Chromium  
Cobalt, Copper, Iron, Lead  
Magnesium, Manganese, Nickel, Selenium  
Silver, Thallium, Vanadium, Zinc

ME0017

Aluminum, Antimony, Arsenic, Barium  
Beryllium, Cadmium, Calcium, Chromium  
Cobalt, Copper, Iron, Lead  
Magnesium, Manganese, Nickel, Selenium  
Silver, Thallium, Vanadium, Zinc

ME0018

Aluminum, Antimony, Arsenic, Barium  
Beryllium, Cadmium, Calcium, Chromium

Assembled By: ESAT  
Date: April 19, 2001

Case Number : 29118  
Site Name: Wisconsin Steel

Page 10 of 11  
SDG Number: ME0001  
Laboratory: Compuchem

Cobalt, Copper, Iron, Lead  
Magnesium, Manganese, Nickel, Selenium  
Silver, Thallium, Vanadium, Zinc

ME0019

Aluminum, Antimony, Arsenic, Barium  
Beryllium, Cadmium, Calcium, Chromium  
Cobalt, Copper, Iron, Lead  
Magnesium, Manganese, Nickel, Selenium  
Silver, Thallium, Vanadium, Zinc

ME0020

Aluminum, Antimony, Arsenic, Barium  
Beryllium, Cadmium, Calcium, Chromium  
Cobalt, Copper, Iron, Lead  
Magnesium, Manganese, Nickel, Selenium  
Silver, Thallium, Vanadium, Zinc

Serial Dilution Report

SDG NO: ME0001

DC-294: The analyte concentration is high (>50 X the IDL) and serial dilution percent difference is not in criteria (>10%). Hits are qualified "J" and non-detects are qualified "UJ".

Beryllium

ME0001, ME0001D, ME0001S, ME0002, ME0003, ME0004  
ME0005, ME0006, ME0007, ME0008, ME0009, ME0010  
ME0011, ME0012, ME0013, ME0014, ME0015, ME0016  
ME0017, ME0018, ME0019, ME0020

Potassium

ME0001, ME0001D, ME0002, ME0003, ME0004, ME0005  
ME0006, ME0007, ME0008, ME0009, ME0010, ME0011  
ME0012, ME0013, ME0014, ME0015, ME0016, ME0017  
ME0018, ME0019, ME0020

DC-295: The following inorganic samples are associated with an ICP serial dilution percent difference which is not in criteria. The serial dilution result is greater than the sample result, indicating a potential negative interference. The data must be qualified using professional judgement. Hits are qualified "J", non-detects "UJ".

Cadmium

ME0001, ME0001D, ME0001S, ME0002, ME0003, ME0004  
ME0005, ME0006, ME0007, ME0008, ME0009, ME0010  
ME0011, ME0012, ME0013, ME0014, ME0015, ME0016  
ME0017, ME0018, ME0019, ME0020

Iron

ME0001, ME0001D, ME0002, ME0003, ME0004, ME0005  
ME0006, ME0007, ME0008, ME0009, ME0010, ME0011  
ME0012, ME0013, ME0014, ME0015, ME0016, ME0017  
ME0018, ME0019, ME0020

Manganese

ME0001, ME0001D, ME0001S, ME0002, ME0003, ME0004  
ME0005, ME0006, ME0007, ME0008, ME0009, ME0010  
ME0011, ME0012, ME0013, ME0014, ME0015, ME0016

Assembled By: ESAT  
Date: April 19, 2001

Case Number : 29118  
Site Name: Wisconsin Steel

Page 11 of 11  
SDG Number: ME0001  
Laboratory: Compuchem

ME0017, ME0018, ME0019, ME0020

Zirc

ME0001, ME0001D, ME0001S, ME0002, ME0003, ME0004  
ME0005, ME0006, ME0007, ME0008, ME0009, ME0010  
ME0011, ME0012, ME0013, ME0014, ME0015, ME0016  
ME0017, ME0018, ME0019, ME0020

7. GFAA ANALYSIS

|||||

Furnace AA QC Report

SDG NC: ME0001

|||||

No problems found for this qualification.

8. SAMPLE RESULTS

All data, except those qualified above, are acceptable.

|||||

Sample Result Verification Report

SDG NO: ME0001

|||||

No problems found for this qualification.

Assembled By: ESAT  
Date: April 19, 2001

CADRE Data Qualifier Sheet

Qualifiers Data Qualifier Definitions

- U            The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J            The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
- UJ           The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R            The data are unusable. (The compound may or may not be present)

Analytical Results (Qualified Data)

Case # 29118  
 Site  
 Lab.  
 Reviewer :  
 Date :

SDG : ME0001  
 WISCONSIN STEEL  
 LIBRTY

Number of Soil Samples : 20  
 Number of Water Samples : 0

| Sample Number :     | ME0001     | ME0002     | ME0003     | ME0004     | ME0005     |      |        |      |        |      |
|---------------------|------------|------------|------------|------------|------------|------|--------|------|--------|------|
| Sampling Location : | X101       | X102       | X103       | X235       | X217       |      |        |      |        |      |
| Matrix :            | Soil       | Soil       | Soil       | Soil       | Soil       |      |        |      |        |      |
| Units               | mg/Kg      | mg/Kg      | mg/Kg      | mg/Kg      | mg/Kg      |      |        |      |        |      |
| Date Sampled :      | 04/03/2001 | 04/03/2001 | 04/03/2001 | 04/03/2001 | 04/03/2001 |      |        |      |        |      |
| Time Sampled :      | 11:35      | 11:55      | 12:10      | 14:10      | 08:25      |      |        |      |        |      |
| %Solids :           | 86.2       | 88.2       | 85.7       | 75.5       | 41.4       |      |        |      |        |      |
| Dilution Factor :   | 1.0        | 1.0        | 1.0        | 1.0        | 1.0        |      |        |      |        |      |
| ANALYTE             | Result     | Flag       | Result     | Flag       | Result     | Flag | Result | Flag | Result | Flag |
| ALUMINIUM           | 7300       |            | 6090       |            | 7320       |      | 5630   |      | 6290   |      |
| ANTIMONY            | 9.0        | J          | 4.7        | J          | 3.8        | J    | 1.9    | J    | 16.9   | J    |
| ARSENIC             | 15.6       | J          | 10.8       | J          | 13.1       | J    | 2.9    | J    | 14.2   | J    |
| BARIUM              | 274        | J          | 140        | J          | 187        | J    | 64.0   | J    | 45.0   | J    |
| BERYLLIUM           | 1.3        | J          | 1.1        | J          | 1.3        | J    | 0.76   | J    | 0.24   | J    |
| CADMIUM             | 12.3       | J          | 7.8        | J          | 10.2       | J    | 0.16   | UJ   | 11.8   | J    |
| CALCIUM             | 51600      |            | 38300      |            | 51600      |      | 49700  |      | 96100  |      |
| CHROMIUM            | 280        |            | 231        |            | 275        |      | 876    |      | 873    |      |
| COBALT              | 6.3        | J          | 6.4        | J          | 7.8        | J    | 6.4    | J    | 6.5    | J    |
| COPPER              | 840        |            | 1230       |            | 462        |      | 29.7   |      | 364    |      |
| IRON                | 115000     | J          | 95000      | J          | 102000     | J    | 39800  | J    | 223000 | J    |
| LEAD                | 794        |            | 400        |            | 1860       |      | 16.2   |      | 1140   |      |
| MAGNESIUM           | 11100      |            | 10600      |            | 12600      |      | 8250   |      | 11800  |      |
| MANGANESE           | 5800       | J          | 5160       | J          | 5760       | J    | 4150   | J    | 12100  | J    |
| MERCURY             | 0.44       |            | 0.56       |            | 0.38       |      | 0.060  | U    | 0.35   |      |
| NICKEL              | 69.2       | J          | 79.2       | J          | 60.7       | J    | 383    | J    | 113    | J    |
| POTASSIUM           | 595        | J          | 449        | J          | 648        | J    | 716    | J    | 490    | J    |
| SELENIUM            | 3.5        | J          | 2.8        | J          | 3.8        | J    | 1.3    | UJ   | 3.6    | J    |
| SILVER              | 46.4       | J          | 9.6        | J          | 2.9        | J    | 0.37   | J    | 4.6    | J    |
| SODIUM              | 35.3       | U          | 32.8       | U          | 34.1       | U    | 469    | J    | 68.0   | U    |
| THALLIUM            | 9.6        | J          | 11.0       | J          | 14.1       | J    | 4.7    | J    | 30.7   | J    |
| VANADIUM            | 106        | J          | 72.5       | J          | 89.0       | J    | 33.8   | J    | 84.7   | J    |
| ZINC                | 18700      | J          | 15200      | J          | 10800      | J    | 48.1   | J    | 5240   | J    |
| CYANIDE             | 6.4        |            | 3.7        |            | 5.3        |      | 1.2    |      | 26.2   |      |

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

Analytical Results (Qualified Data)

Case #: 29118  
 Site :  
 Lab :  
 Reviewer :  
 Date

SDG : ME0001  
 WISCONSIN STEEL  
 LIBRTY

| Sample Number :     | ME0006     | ME0007     | ME0008     | ME0009     | ME0010     |      |        |      |        |      |
|---------------------|------------|------------|------------|------------|------------|------|--------|------|--------|------|
| Sampling Location : | X218       | X219       | X220       | X221       | X222       |      |        |      |        |      |
| Matrix :            | Soil       | Soil       | Soil       | Soil       | Soil       |      |        |      |        |      |
| Units :             | mg/Kg      | mg/Kg      | mg/Kg      | mg/Kg      | mg/Kg      |      |        |      |        |      |
| Date Sampled :      | 04/03/2001 | 04/03/2001 | 04/03/2001 | 04/03/2001 | 04/03/2001 |      |        |      |        |      |
| Time Sampled :      | 08:40      | 08:50      | 09:10      | 09:25      | 10:15      |      |        |      |        |      |
| %Solids :           | 40.8       | 39.9       | 40.1       | 37.8       | 42.5       |      |        |      |        |      |
| Dilution Factor :   | 1.0        | 1.0        | 1.0        | 1.0        | 1.0        |      |        |      |        |      |
| ANALYTE             | Result     | Flag       | Result     | Flag       | Result     | Flag | Result | Flag | Result | Flag |
| ALUMINIUM           | 7650       |            | 7140       |            | 7110       |      | 10100  |      | 6130   |      |
| ANTIMONY            | 1.8        | J          | 14.6       | J          | 1.9        | J    | 2.1    | J    | 2.0    | J    |
| ARSENIC             | 9.3        | J          | 14.9       | J          | 8.5        | J    | 12.6   | J    | 8.2    | J    |
| BARIUM              | 49.4       | J          | 43.3       | J          | 47.7       | J    | 68.1   | J    | 42.6   | J    |
| BERYLLIUM           | 0.46       | J          | 0.090      | J          | 0.40       | J    | 0.35   | J    | 0.30   | J    |
| CADMIUM             | 0.29       | J          | 8.0        | J          | 0.30       | UJ   | 0.88   | J    | 0.42   | J    |
| CALCIUM             | 45900      |            | 87800      |            | 42600      |      | 57500  |      | 38500  |      |
| CHROMIUM            | 40.6       |            | 1030       |            | 34.0       |      | 52.7   |      | 30.7   |      |
| COBALT              | 8.7        | J          | 8.3        | J          | 8.4        | J    | 12.3   | J    | 7.9    | J    |
| COPPER              | 52.6       |            | 386        |            | 49.1       |      | 66.5   |      | 45.1   |      |
| IRON                | 42300      | J          | 203000     | J          | 38900      | J    | 58000  | J    | 40400  | J    |
| LEAD                | 105        |            | 827        |            | 92.4       |      | 119    |      | 85.7   |      |
| MAGNESIUM           | 20300      |            | 15600      |            | 19500      |      | 26400  |      | 17500  |      |
| MANGANESE           | 1010       | J          | 13100      | J          | 955        | J    | 1350   | J    | 848    | J    |
| MERCURY             | 0.080      | U          | 0.21       |            | 0.15       |      | 0.17   |      | 0.10   | U    |
| NICKEL              | 25.5       | J          | 95.2       | J          | 24.3       | J    | 35.1   | J    | 22.0   | J    |
| POTASSIUM           | 1720       | J          | 903        | J          | 1590       | J    | 2080   | J    | 1300   | J    |
| SELENIUM            | 3.7        | J          | 3.9        | J          | 2.4        | UJ   | 2.4    | UJ   | 2.4    | J    |
| SILVER              | 0.41       | J          | 4.0        | J          | 0.35       | J    | 0.50   | J    | 0.41   | J    |
| SODIUM              | 327        | J          | 74.0       | U          | 326        | J    | 185    | J    | 241    | J    |
| THALLIUM            | 5.2        | J          | 30.3       | J          | 4.2        | J    | 10.8   | J    | 4.8    | J    |
| VANADIUM            | 28.9       | J          | 89.4       | J          | 26.9       | J    | 37.0   | J    | 24.5   | J    |
| ZINC                | 305        | J          | 4000       | J          | 259        | J    | 372    | J    | 245    | J    |
| CYANIDE             | 1.2        |            | 30.8       |            | 0.88       |      | 0.62   |      | 1.2    |      |

Analytical Results (Qualified Data)

Case #: 29118

SDG : ME0001

Site :

WISCONSIN STEEL

Lab. :

LIBRITY

Reviewer :

Date :

| Sample Number :     | ME0011     | ME0012     | ME0013     | ME0014     | ME0015     |      |        |      |        |      |
|---------------------|------------|------------|------------|------------|------------|------|--------|------|--------|------|
| Sampling Location : | X223       | X224       | X225       | X226       | X227       |      |        |      |        |      |
| Matrix :            | Soil       | Soil       | Soil       | Soil       | Soil       |      |        |      |        |      |
| Units :             | mg/Kg      | mg/Kg      | mg/Kg      | mg/Kg      | mg/Kg      |      |        |      |        |      |
| Date Sampled :      | 04/03/2001 | 04/03/2001 | 04/03/2001 | 04/03/2001 | 04/03/2001 |      |        |      |        |      |
| Time Sampled :      | 10:20      | 10:50      | 10:55      | 11:10      | 11:25      |      |        |      |        |      |
| %Solids :           | 42.4       | 48.7       | 48.0       | 46.1       | 42.3       |      |        |      |        |      |
| Dilution Factor :   | 1.0        | 1.0        | 1.0        | 1.0        | 1.0        |      |        |      |        |      |
| ANALYTE             | Result     | Flag       | Result     | Flag       | Result     | Flag | Result | Flag | Result | Flag |
| ALUMINUM            | 8590       |            | 7530       |            | 7710       |      | 7640   |      | 7540   |      |
| ANTIMONY            | 2.9        | J          | 3.6        | J          | 2.5        | J    | 1.8    | J    | 2.1    | J    |
| ARSENIC             | 12.3       | J          | 11.5       | J          | 12.3       | J    | 10.6   | J    | 10.0   | J    |
| BARIUM              | 55.7       | J          | 55.4       | J          | 54.1       | J    | 57.6   | J    | 55.7   | J    |
| BERYLLIUM           | 0.59       | J          | 0.41       | J          | 0.61       | J    | 0.33   | J    | 0.52   | J    |
| CADMIUM             | 0.84       | J          | 0.48       | J          | 0.23       | UJ   | 0.77   | J    | 0.28   | UJ   |
| CALCIUM             | 51500      |            | 57200      |            | 51500      |      | 52700  |      | 47700  |      |
| CHROMIUM            | 54.6       |            | 38.9       |            | 42.9       |      | 34.5   |      | 36.5   |      |
| COBALT              | 10.8       | J          | 9.2        | J          | 8.7        | J    | 9.4    | J    | 8.9    | J    |
| COPPER              | 70.2       |            | 52.4       |            | 55.3       |      | 55.6   |      | 56.3   |      |
| IRON                | 62900      | J          | 57600      | J          | 70400      | J    | 55300  | J    | 54200  | J    |
| LEAD                | 168        |            | 88.7       |            | 115        |      | 94.1   |      | 118    |      |
| MAGNESIUM           | 22500      |            | 25100      |            | 22500      |      | 23500  |      | 21000  |      |
| MANGANESE           | 1930       | J          | 1120       | J          | 1300       | J    | 1110   | J    | 1110   | J    |
| MERCURY             | 0.16       |            | 0.15       |            | 0.15       |      | 0.16   |      | 0.15   |      |
| NICKEL              | 30.5       | J          | 25.8       | J          | 25.9       | J    | 25.9   | J    | 25.7   | J    |
| POTASSIUM           | 1540       | J          | 1520       | J          | 1350       | J    | 1540   | J    | 1530   | J    |
| SELENIUM            | 2.5        | J          | 3.0        | J          | 2.7        | J    | 2.2    | J    | 2.9    | J    |
| SILVER              | 0.65       | J          | 0.28       | J          | 0.34       | J    | 0.36   | J    | 0.59   | J    |
| SODIUM              | 65.8       | U          | 231        | J          | 131        | J    | 171    | J    | 222    | J    |
| THALLIUM            | 9.0        | J          | 8.3        | J          | 8.2        | J    | 8.7    | J    | 5.4    | J    |
| VANADIUM            | 33.3       | J          | 30.8       | J          | 32.3       | J    | 30.8   | J    | 31.2   | J    |
| ZINC                | 422        | J          | 260        | J          | 308        | J    | 288    | J    | 334    | J    |
| CYANIDE             | 1.3        |            | 1.3        |            | 1.5        |      | 0.83   |      | 1.4    |      |

## Analytical Results (Qualified Data)

Page \_\_\_\_ of \_\_\_\_

Case #: 29118

SDG : ME0001

Site :

WISCONSIN STEEL

Lat. :

LIBRTY

Reviewer :

Date

| Sample Number :     | ME0016     | ME0017     | ME0018     | ME0019     | ME0020     |      |        |      |        |      |
|---------------------|------------|------------|------------|------------|------------|------|--------|------|--------|------|
| Sampling Location : | X228       | X201       | X202       | X203       | X204       |      |        |      |        |      |
| Matrix :            | Soil       | Soil       | Soil       | Soil       | Soil       |      |        |      |        |      |
| Units :             | mg/Kg      | mg/Kg      | mg/Kg      | mg/Kg      | mg/Kg      |      |        |      |        |      |
| Date Sampled :      | 04/02/2001 | 04/03/2001 | 04/03/2001 | 04/03/2001 | 04/03/2001 |      |        |      |        |      |
| Time Sampled :      |            | 14:30      | 14:45      | 15:00      | 15:15      |      |        |      |        |      |
| %Solids :           | 48.9       | 50.8       | 42.3       | 35.9       | 46.4       |      |        |      |        |      |
| Dilution Factor :   | 1.0        | 1.0        | 1.0        | 1.0        | 1.0        |      |        |      |        |      |
| ANALYTE             | Result     | Flag       | Result     | Flag       | Result     | Flag | Result | Flag | Result | Flag |
| ALUMINUM            | 7320       |            | 6580       |            | 7910       |      | 7320   |      | 9150   |      |
| ANTIMONY            | 2.5        | J          | 15.9       | J          | 6.5        | J    | 2.6    | J    | 4.3    | J    |
| ARSENIC             | 12.1       | J          | 25.8       | J          | 12.1       | J    | 9.3    | J    | 14.1   | J    |
| BARIUM              | 60.1       | J          | 79.1       | J          | 256        | J    | 45.3   | J    | 66.0   | J    |
| BERYLLIUM           | 0.38       | J          | 0.63       | J          | 0.45       | J    | 0.050  | UJ   | 0.64   | J    |
| CADMIUM             | 0.58       | J          | 0.54       | J          | 0.28       | UJ   | 2.8    | J    | 1.7    | J    |
| CALCIUM             | 56300      |            | 37200      |            | 55000      |      | 49700  |      | 57100  |      |
| CHROMIUM            | 41.2       |            | 131        |            | 98.7       |      | 97.8   |      | 136    |      |
| COBALT              | 9.3        | J          | 10.1       | J          | 12.3       | J    | 9.8    | J    | 11.2   | J    |
| COPPER              | 51.6       |            | 208        |            | 105        |      | 118    |      | 146    |      |
| IRON                | 66500      | J          | 145000     | J          | 102000     | J    | 50900  | J    | 80500  | J    |
| LEAD                | 101        |            | 367        |            | 400        |      | 297    |      | 536    |      |
| MAGNESIUM           | 23100      |            | 9440       |            | 20000      |      | 20300  |      | 24000  |      |
| MANGANESE           | 1260       | J          | 2600       | J          | 1600       | J    | 1300   | J    | 1950   | J    |
| MERCURY             | 0.12       |            | 0.63       |            | 0.41       |      | 0.43   |      | 0.89   |      |
| NICKEL              | 27.6       | J          | 118        | J          | 56.8       | J    | 40.4   | J    | 53.4   | J    |
| POTASSIUM           | 1340       | J          | 984        | J          | 1750       | J    | 1570   | J    | 1690   | J    |
| SELENIUM            | 2.2        | J          | 5.6        | J          | 4.2        | J    | 3.1    | J    | 3.4    | J    |
| SILVER              | 0.40       | J          | 0.82       | J          | 0.34       | J    | 1.1    | J    | 1.0    | J    |
| SODIUM              | 199        | J          | 132        | J          | 256        | J    | 82.3   | U    | 61.3   | U    |
| THALLIUM            | 11.1       | J          | 18.2       | J          | 11.9       | J    | 7.7    | J    | 9.8    | J    |
| VANADIUM            | 30.2       | J          | 42.5       | J          | 33.1       | J    | 31.5   | J    | 42.7   | J    |
| ZINC                | 293        | J          | 628        | J          | 245        | J    | 751    | J    | 785    | J    |
| CYANIDE             | 1.6        |            | 3.4        |            | 1.2        |      | 1.5    |      | 3.8    |      |

Analytical Results (Qualified Data)

Case #: 29118

SDG: ME0001

Site:

WISCONSIN STEEL

Lab:

LIBRTY

Reviewer:

Date:

| Sample Number:     |        | ME0001D    |        | ME0001S    |        |      |        |      |        |      |
|--------------------|--------|------------|--------|------------|--------|------|--------|------|--------|------|
| Sampling Location: |        | X101       |        | X101       |        |      |        |      |        |      |
| Matrix:            |        | Soil       |        | Soil       |        |      |        |      |        |      |
| Units:             |        | mg/Kg      |        | mg/Kg      |        |      |        |      |        |      |
| Date Sampled:      |        | 04/03/2001 |        | 04/03/2001 |        |      |        |      |        |      |
| Time Sampled:      |        | 11:35      |        | 11:35      |        |      |        |      |        |      |
| %Solids            |        | 86.2       |        | 86.2       |        |      |        |      |        |      |
| Dilution Factor:   |        | 1.0        |        | 1.0        |        |      |        |      |        |      |
| ANALYTE            | Result | Flag       | Result | Flag       | Result | Flag | Result | Flag | Result | Flag |
| ALUMINUM           | 7590   |            |        |            |        |      |        |      |        |      |
| ANTIMONY           | 8.0    | J          | 49.6   |            |        |      |        |      |        |      |
| ARSENIC            | 15.4   | J          | 20.9   |            |        |      |        |      |        |      |
| BARIUM             | 295    | J          | 596    |            |        |      |        |      |        |      |
| BERYLLIUM          | 1.3    | J          | 8.5    | J          |        |      |        |      |        |      |
| CADMIUM            | 12.4   | J          | 18.9   | J          |        |      |        |      |        |      |
| CALCIUM            | 57800  |            |        |            |        |      |        |      |        |      |
| CHROMIUM           | 296    |            | 278    |            |        |      |        |      |        |      |
| COBALT             | 6.6    | J          | 82.9   |            |        |      |        |      |        |      |
| COPPER             | 980    |            | 854    |            |        |      |        |      |        |      |
| IRON               | 116000 | J          |        |            |        |      |        |      |        |      |
| LEAD               | 780    |            | 623    |            |        |      |        |      |        |      |
| MAGNESIUM          | 12200  |            |        |            |        |      |        |      |        |      |
| MANGANESE          | 6860   | J          | 5310   | J          |        |      |        |      |        |      |
| MERCURY            | 0.40   |            | 0.98   |            |        |      |        |      |        |      |
| NICKEL             | 66.7   | J          | 130    |            |        |      |        |      |        |      |
| POTASSIUM          | 622    | J          |        |            |        |      |        |      |        |      |
| SELENIUM           | 3.8    | J          | 4.9    |            |        |      |        |      |        |      |
| SILVER             | 8.9    | J          | 16.7   | J          |        |      |        |      |        |      |
| SODIUM             | 35.3   | U          |        |            |        |      |        |      |        |      |
| THALLIUM           | 9.7    | J          | 18.1   |            |        |      |        |      |        |      |
| VANADIUM           | 113    | J          | 177    |            |        |      |        |      |        |      |
| ZINC               | 18500  | J          | 16100  | J          |        |      |        |      |        |      |
| CYANIDE            | 5.3    |            | 11.5   |            |        |      |        |      |        |      |



# USEPA Contract Laboratory Program Inorganic Traffic Report

Case No: 29118  
DAS No:  
SDG No: ME0001 L

|   |   |  |
|---|---|--|
| Date Shipped: 4/4/01<br>Carrier Name: FedEx<br>Airbill: 3497986973<br>Shipped to: Liberty Analytical<br>501 Madison Avenue<br>Cary NC 27513<br>(919) 379-4080 | Date Received/Received by: <u>4/5/01 M. Ste...</u><br>Lab Contract No: <u>68W000762</u> Unit Price: <u>77.25</u><br>Transfer To: _____<br>Date Received/Received By: _____<br>Lab Contract No: _____ Price: _____ | Sampler (Signature): _____<br>Relinquished By: _____ Date / Time: <u>15:30</u> Received By: _____<br>Relinquished By: _____ Date / Time: _____ Received By: _____<br>Relinquished By: _____ Date / Time: <u>4/5/01 8:50</u> Received By: <u>Melissa Ste...</u> |
|---|---|--|

| INORGANIC SAMPLE No. | MATRIX/ SAMPLER                | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE | STATION LOCATION | SAMPLE COLLECT DATE/TIME | ORGANIC SAMPLE No. | FOR LAB USE ONLY Sample Condition On Receipt |
|----------------------|--------------------------------|------------|----------------------|-----------------------|------------------|--------------------------|--------------------|--|
| ME0001               | Soil/Sediment/<br>Ted Prescott | L/G        | TM (21)              | 5-043700 (1)          | X101             | 4/3/01 11:35             | E0001              | Good<br>↓<br><b>ORIGINAL</b>                 |
| ME0002               | Soil/Sediment/<br>Ted Prescott | L/G        | TM (21)              | 5-43702 (1)           | X102             | 4/3/01 11:55             | E0002              |  |
| ME0003               | Soil/Sediment/<br>Ted Prescott | L/G        | TM (21)              | 5-43704 (1)           | X103             | 4/3/01 12:10             | E0003              |  |
| ME0004               | Sediment/<br>Ted Prescott      | L/G        | TM (21)              | 5-43706 (1)           | X235             | 4/3/01 14:10             | E0004              |  |
| ME0005               | Sediment/<br>Ted Prescott      | L/G        | TM (21)              | 5-43708 (1)           | X217             | 4/3/01 8:25              | E0005              |  |
| ME0006               | Sediment/<br>Ted Prescott      | L/G        | TM (21)              | 5-43710 (1)           | X218             | 4/3/01 8:40              | E0006              |  |
| ME0007               | Sediment/<br>Ted Prescott      | L/G        | TM (21)              | 5-43712 (1)           | X219             | 4/3/01 8:50              | E0007              |  |
| ME0008               | Sediment/<br>Ted Prescott      | L/G        | TM (21)              | 5-43714 (1)           | X220             | 4/3/01 9:10              | E0008              |  |
| ME0009               | Sediment/<br>Ted Prescott      | L/G        | TM (21)              | 5-43716 (1)           | X221             | 4/3/01 9:25              | E0009              |  |
| ME0010               | Sediment/<br>Ted Prescott      | L/G        | TM (21)              | 5-43718 (1)           | X222             | 4/3/01 10:15             | E0010              |  |
| ME0011               | Sediment/<br>Ted Prescott      | L/G        | TM (21)              | 5-43720 (1)           | X223             | 4/3/01 10:20             | E0011              |  |
| ME0012               | Sediment/<br>Ted Prescott      | L/G        | TM (21)              | 5-43722 (1)           | X224             | 4/3/01 10:50             | E0012              |  |
| ME0013               | Sediment/<br>Ted Prescott      | L/G        | TM (21)              | 5-43724 (1)           | X225             | 4/3/01 10:55             | E0013              |  |
| ME0014               | Sediment/<br>Ted Prescott      | L/G        | TM (21)              | 5-43726 (1)           | X226             | 4/3/01 11:10             | E0014              |  |
| ME0015               | Sediment/<br>Ted Prescott      | L/G        | TM (21)              | 5-43728 (1)           | X227             | 4/3/01 11:25             | E0015              |  |

|  |   |   |  |  |
|--|---|---|--|--|
| Shipment for Case Complete? <input type="checkbox"/>           | Sample(s) to be used for laboratory QC: | Additional Sampler Signature(s):          | Cooler Temperature Upon Receipt:<br><u>5°C</u> | Chain of Custody Seal Number:<br><u>20045-46</u>         |
| Analysis Key: Concentration: L = Low, M = Low/Medium, H = High |   | Type/Designation: Composite = C, Grab = G |  | Custody Seal Intact: <input checked="" type="checkbox"/> |
| TM = CLP TAL Total Metals                                      |   |   |  | Shipment Iced: <input checked="" type="checkbox"/>       |

PR provides preliminary results. Requests for preliminary results will increase analytical costs.  
 Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222  
**TR Number: 5-285846426-040401-0003**



# USEPA Contract Laboratory Program

## Inorganic Traffic Report

Case No: 29118  
 DAS No: ME0021  
 SDG No: ME0021

|   |  |   |                                 |  |
|---|--|---|---------------------------------|--|
| Date Shipped: 4/4/01<br>Carrier Name: FedEx<br>Airbill: 3497986973<br>Shipped to: Liberty Analytical<br>501 Madison Avenue<br>Cary NC 27513<br>(919) 379-4080 | Date Received/Received by: <u>4/5/01 M. Stou...</u><br>Lab Contract No: <u>68W00002</u> Unit Price: <u>77.25</u> | Sampler (Signature): <u>[Signature]</u>                               |                                 |  |
|   | Transfer To: _____<br>Date Received/Received By: _____<br>Lab Contract No: _____ Price: _____                    | Relinquished By: <u>[Signature]</u> Date / Time: <u>4/4/2001 1530</u> | Received By: _____              |  |
|   |  | Relinquished By: _____ Date / Time: _____                             | Received By: _____              |  |
|   |  | Relinquished By: _____ Date / Time: <u>4/5/01 8:50</u>                | Received By: <u>[Signature]</u> |  |

| INORGANIC SAMPLE No. | MATRIX/ SAMPLER           | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE | STATION LOCATION | SAMPLE COLLECT DATE/TIME | ORGANIC SAMPLE No. | FOR LAB USE ONLY Sample Condition On Receipt |
|----------------------|---------------------------|------------|----------------------|-----------------------|------------------|--------------------------|--------------------|--|
| ME0016               | Sediment/<br>Ted Prescott | L/G        | TM (21)              | 5-43730 (1)           | X228             | 4/2/01                   | E0016              | Good<br>SDG Field Samples<br>ORIGINAL        |
| ME0017               | Sediment/<br>Ted Prescott | L/G        | TM (21)              | 5-43732 (1)           | X201             | 4/3/01 14:30             | E0017              |  |
| ME0018               | Sediment/<br>Ted Prescott | L/G        | TM (21)              | 5-43734 (1)           | X202             | 4/3/01 14:45             | E0018              |  |
| ME0019               | Sediment/<br>Ted Prescott | L/G        | TM (21)              | 5-43736 (1)           | X203             | 4/3/01 15:00             | E0019              |  |
| ME0020               | Sediment/<br>Ted Prescott | L/G        | TM (21)              | 5-43738 (1)           | X204             | 4/3/01 15:15             | E0020              |  |
| ME0021               | Sediment/<br>Ted Prescott | L/G        | TM (21)              | 5-43740 (1)           | X205             | 4/3/01 15:30             | E0021              |  |
| ME0022               | Sediment/<br>Ted Prescott | L/G        | TM (21)              | 5-43742 (1)           | X206             | 4/3/01 15:40             | E0022              |  |
| ME0023               | Sediment/<br>Ted Prescott | L/G        | TM (21)              | 5-43744 (1)           | X207             | 4/4/01 17:05             | E0023              |  |
| ME0024               | Sediment/<br>Ted Prescott | L/G        | TM (21)              | 5-43746 (1)           | X208             | 4/3/01 17:15             | E0024              |  |
| ME0025               | Sediment/<br>Ted Prescott | L/G        | TM (21)              | 5-43748 (1)           | X209             | 4/4/01 17:35             | E0025              |  |
| ME0026               | Sediment/<br>Ted Prescott | L/G        | TM (21)              | 5-43750 (1)           | X210             | 4/4/01 17:45             | E0026              |  |
| ME0027               | Sediment/<br>Ted Prescott | L/G        | TM (21)              | 5-43752 (1)           | X211             | 4/4/01 18:15             | E0027              |  |
| ME0028               | Sediment/<br>Ted Prescott | L/G        | TM (21)              | 5-43754 (1)           | X212             | 4/4/01 18:20             | E0028              |  |
| ME0029               | Sediment/<br>Ted Prescott | L/G        | TM (21)              | 5-43756 (1)           | X213             | 4/4/01 9:10              | E0029              |  |
| ME0030               | Sediment/<br>Ted Prescott | L/G        | TM (21)              | 5-43758 (1)           | X240             | 4/4/01 9:10              | E0030              |  |

|  |  |  |  |   |
|--|--|--|--|---|
| Shipment for Case Complete? <u>Y</u>       | Sample(s) to be used for laboratory QC: _____  | Additional Sampler Signature(s): _____ | Cooler Temperature Upon Receipt: <u>5°</u> | Chain of Custody Seal Number: <u>20045-76</u>         |
| Analysis Key:<br>TM = CLP TAL Total Metals | Concentration: L = Low, M = Low/Medium, H = High Type/Designation: Composite = C, Grab = G |  |  | Custody Seal Intact: <u>Y</u> Shipment Iced: <u>Y</u> |

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Contract Laboratory Analytical Services Support, 2000 Edmund Halley Dr., Reston, VA. 20191-3436 Phone 703/264-9348 Fax 703/264-9222

TR Number: 5-285846426-040401-0002

APR 18 2001

**CompuChem**

**a Division of Liberty Analytical Corp.**

501 Madison Avenue Cary, NC 27513

**SDG NARRATIVE  
CASE # 29118 SDG # ME0001  
CONTRACT # 68W00082**

The indicated Sample Delivery Group (SDG) consisting of twenty (20) soil samples was received into the laboratory information management system (LIMS) on April 5, 2001 intact and in good condition with Chain of Custody (COC) Records in order, unless otherwise noted in any attachments or Quality Assurance Notices. The temperature of the samples upon receipt was 5°C, as determined from the cooler temperature indicator bottle. Sample ID's reported in this data package are noted by the receiving department on the COC if they differ from those listed by the samplers on the COC.

The samples were analyzed, in accordance with EPA CLP Statement of Work (SOW) document ILM04.1, for the complete Inorganic Target Analyte List (TAL). Cyanide analysis was not called for by the Traffic Report, however the samples were originally scheduled for cyanide. The laboratory was instructed to analyze the samples for cyanide. Please refer to the enclosed e-mail correspondence.

The correlation coefficients for the mercury and cyanide analytical runs are confirmed to be  $\geq 0.9950$ .

**EQUATIONS FOR SOLID SAMPLE CALCULATIONS:**

Equation for obtaining metals sample results in mg/Kg as presented on FORM I data sheets from ICP instrument acquired results in  $\mu\text{g/L}$  (ppb).

$$\frac{C \times V}{W \times S}$$

Where

C = concentration ( $\mu\text{g/L}$ )

V = final volume in liters after sample preparation

W = weight in grams of wet sample

S = % solids/100

Example: aluminum result  $\mu\text{g/L}$  to mg/Kg.

$$\frac{31444.64 \mu\text{g/L (C)} \times 0.2 \text{ L (V)}}{1.0 \text{ g (W)} \times 0.862 \text{ (S)}} = 7295.740 \text{ mg/Kg reported as } 7300 \text{ mg/Kg}$$

Equation for obtaining cyanide sample results in mg/Kg as presented on FORM I data sheets from instrument acquired results in µg/L (ppb).

$$\frac{C \times D \times V}{W \times S}$$

Where

C = concentration of cyanide (µg/L)

W = wet weight of sample

D = dilution factor to bring sample into analysis range

S = % solids/100

V = final volume in liters

Example: cyanide result µg/L to mg/Kg

$$\frac{110.855446 \mu\text{g/L (C)} \times 1 \text{ (D)} \times 0.05 \text{ L (V)}}{1.0\text{g (W)} \times 0.862 \text{ (S)}} = 6.4301 \text{ mg/Kg reported as } 6.4 \text{ mg/Kg}$$

Equation for obtaining mercury sample results in mg/Kg as presented on FORM I data sheets from instrument acquired results in µg/L (ppb).

$$\frac{C \times D \times V}{W \times S}$$

Where

C = concentration (µg/L)

W = wet weight of sample

D = dilution factor to bring sample into analysis range

S = % solids/100

V = final volume in liters

Example: mercury result µg/L to mg/Kg

$$\frac{0.7643 \mu\text{g/L(C)} \times 1 \text{ (D)} \times 0.1 \text{ (V)}}{0.2 \text{ g (W)} \times 0.862 \text{ (S)}} = 0.4433 \text{ mg/Kg reported as } 0.44 \text{ mg/Kg}$$

**SAMPLE IDs:**

The following customer IDs are associated with this SDG:

ME0001 ME0002 ME0003 ME0004 ME0005 ME0006 ME0007 ME0008 ME0009 ME0010  
ME0011 ME0012 ME0013 ME0014 ME0015 ME0016 ME0017 ME0018 ME0019 ME0020

**INSTRUMENTAL QUALITY CONTROL:**

All calibration verification solutions (ICV & CCV), blanks (ICB, & CCB), and interference check samples (ICSA & ICSAB) associated with this data were confirmed to be within EPA CLP allowable limits.

**SAMPLE PREPARATION QUALITY CONTROL:**

The sample preparation procedure verifications (LCSS & PBS) were found to be within acceptable ranges and all field samples were prepared and analyzed within the contract specified holding times.

**MATRIX RELATED QUALITY CONTROL:**

The sample matrix spike, CCN = WG9443-1 (ME0001S) was found to be outside CLP control limits for Antimony, Arsenic, Barium, Beryllium, Cadmium, Cobalt, Nickel, Selenium, Silver, Thallium and Vanadium.

CLP control limits for matrix spike recoveries are set at 75% to 125% of the analyte quantity added unless original sample concentrations exceed the true values of these "spikes" by a factor of four or more. In this case, affected analytes are not flagged even if recoveries are outside percentage recovery control limits.

The sample matrix duplicate, CCN = WG9443-2 (ME0001D) was outside CLP control limits for Silver.

CLP control limits for duplicate determinations are +/- 20% Relative Percent Difference (RPD) for concentrations greater than or equal to five times the CRDL in both the original and duplicate samples, and +/- the CRDL for concentrations less than five times the CRDL. The RPD is not calculated if both the original and duplicate values fall below the IDL.

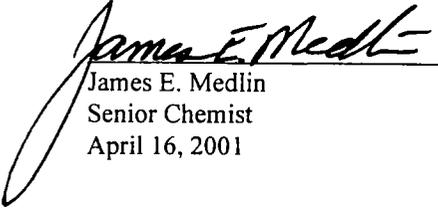
A five-fold serial dilution of sample, CCN = SDIME0001-1 (ME0001L) was performed in accordance with CLP requirements for ICP analysis.

The adjusted sample concentrations were outside CLP control limit for Beryllium, Cadmium and Potassium, which are flagged with an "E" on all associated Form I and Form IX.

CLP control limits for serial dilution are defined as a deviation less than or equal to 10% in the dilution adjusted concentrations from the original values for all analyte concentrations greater than fifty (50) times their respective Instrument Detection Limit (IDL) in the original sample.

An "E" flag indicates that a chemical or physical interference effect was encountered during the analysis of that analyte. As a result of the interference, all values for that analyte in the same matrix must be considered estimated values.

The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

  
James E. Medlin  
Senior Chemist  
April 16, 2001

U. S. EPA - CLP  
COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

APR 18 2001

Lab Name: COMPUCHEM Contract: 68W00082  
Lab Code: LIBRTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG No.: ME0001  
SOW No.: IIM04.1

| <u>EPA Sample No.</u> | <u>Lab Sample ID.</u> |
|-----------------------|-----------------------|
| <u>ME0001</u>         | <u>ME0001-1</u>       |
| <u>ME0001D</u>        | <u>WG9443-2</u>       |
| <u>ME0001S</u>        | <u>WG9443-1</u>       |
| <u>ME0002</u>         | <u>ME0001-2</u>       |
| <u>ME0003</u>         | <u>ME0001-3</u>       |
| <u>ME0004</u>         | <u>ME0001-4</u>       |
| <u>ME0005</u>         | <u>ME0001-5</u>       |
| <u>ME0006</u>         | <u>ME0001-6</u>       |
| <u>ME0007</u>         | <u>ME0001-7</u>       |
| <u>ME0008</u>         | <u>ME0001-8</u>       |
| <u>ME0009</u>         | <u>ME0001-9</u>       |
| <u>ME0010</u>         | <u>ME0001-10</u>      |
| <u>ME0011</u>         | <u>ME0001-11</u>      |
| <u>ME0012</u>         | <u>ME0001-12</u>      |
| <u>ME0013</u>         | <u>ME0001-13</u>      |
| <u>ME0014</u>         | <u>ME0001-14</u>      |
| <u>ME0015</u>         | <u>ME0001-15</u>      |
| <u>ME0016</u>         | <u>ME0001-16</u>      |
| <u>ME0017</u>         | <u>ME0001-17</u>      |
| <u>ME0018</u>         | <u>ME0001-18</u>      |
| <u>ME0019</u>         | <u>ME0001-19</u>      |

Were ICP interelement corrections applied? Yes/No YES  
Were ICP background corrections applied? Yes/No YES  
If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: THE FOLLOWING ANALYTES HAVE BEEN FLAGGED WITH AN "E" TO INDICATE SERIAL DILUTION RESULTS WHICH ARE NOT WITHIN CONTROL LIMITS : BERYLLIUM, CADMIUM and POTASSIUM.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: James Medlin Name: James Medlin  
Date: 4/12/01 Title: Senior Chemist

U. S. EPA - CLP  
COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: COMPUCHEM Contract: 68W00082  
Lab Code: LIBRTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG No.: ME0001  
SOW No.: ILM04.1

EPA Sample No. Lab Sample ID.  
ME0020 ME0001-20

Were ICP interelement corrections applied? Yes/No YES  
Were ICP background corrections applied? Yes/No YES  
If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: THE FOLLOWING ANALYTES HAVE BEEN FLAGGED WITH AN "E" TO INDICATE SERIAL DILUTION RESULTS WHICH ARE NOT WITHIN CONTROL LIMITS : BERYLLIUM, CADMIUM and POTASSIUM.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: James Medlin Name: James Medlin  
Date: 4/12/01 Title: Senior Chemist

U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0001

Lab Name: COMPUCHEM Contract: 68W00082

Lab Code: LIBRTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG No.: ME0001

Matrix (soil/water): SOIL Lab Sample ID: ME0001-1

Level (low/med): LOW Date Received: 04/05/01

% Solids: 86.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No.   | Analyte   | Concentration | C | Q  | M  |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum  | 7300          |   |    | P  |
| 7440-36-0 | Antimony  | 9.0           | B | N  | P  |
| 7440-38-2 | Arsenic   | 15.6          |   | N  | P  |
| 7440-39-3 | Barium    | 274           |   | N  | P  |
| 7440-41-7 | Beryllium | 1.3           |   | NE | P  |
| 7440-43-9 | Cadmium   | 12.3          |   | NE | P  |
| 7440-70-2 | Calcium   | 51600         |   |    | P  |
| 7440-47-3 | Chromium  | 280           |   |    | P  |
| 7440-48-4 | Cobalt    | 6.3           | B | N  | P  |
| 7440-50-8 | Copper    | 940           |   |    | P  |
| 7439-89-6 | Iron      | 115000        |   |    | P  |
| 7439-92-1 | Lead      | 794           |   |    | P  |
| 7439-95-4 | Magnesium | 11100         |   |    | P  |
| 7439-96-5 | Manganese | 5800          |   |    | P  |
| 7439-97-6 | Mercury   | 0.44          |   |    | CV |
| 7440-02-0 | Nickel    | 69.2          |   | N  | P  |
| 7440-09-7 | Potassium | 595           | B | E  | P  |
| 7782-49-2 | Selenium  | 3.5           |   | N  | P  |
| 7440-22-4 | Silver    | 46.4          |   | N* | P  |
| 7440-23-5 | Sodium    | 35.3          | U |    | P  |
| 7440-28-0 | Thallium  | 9.6           |   | N  | P  |
| 7440-62-2 | Vanadium  | 106           |   | N  | P  |
| 7440-66-6 | Zinc      | 18700         |   |    | P  |
|           | Cyanide   | 6.4           |   |    | CA |

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0002

Lab Name: COMPUCHEM Contract: 68W00082

Lab Code: LIBRTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG No.: ME0001

Matrix (soil/water): SOIL Lab Sample ID: ME0001-2

Level (low/med): LOW Date Received: 04/05/01

% Solids: 88.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No.   | Analyte   | Concentration | C | Q  | M  |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum  | 6080          |   |    | P  |
| 7440-36-0 | Antimony  | 4.7           | B | N  | P  |
| 7440-38-2 | Arsenic   | 10.8          |   | N  | P  |
| 7440-39-3 | Barium    | 140           |   | N  | P  |
| 7440-41-7 | Beryllium | 1.1           | B | NE | P  |
| 7440-43-9 | Cadmium   | 7.8           |   | NE | P  |
| 7440-70-2 | Calcium   | 38300         |   |    | P  |
| 7440-47-3 | Chromium  | 231           |   |    | P  |
| 7440-48-4 | Cobalt    | 6.4           | B | N  | P  |
| 7440-50-8 | Copper    | 1230          |   |    | P  |
| 7439-89-6 | Iron      | 95000         |   |    | P  |
| 7439-92-1 | Lead      | 400           |   |    | P  |
| 7439-95-4 | Magnesium | 10600         |   |    | P  |
| 7439-96-5 | Manganese | 5160          |   |    | P  |
| 7439-97-6 | Mercury   | 0.56          |   |    | CV |
| 7440-02-0 | Nickel    | 79.2          |   | N  | P  |
| 7440-09-7 | Potassium | 449           | B | E  | P  |
| 7782-49-2 | Selenium  | 2.8           |   | N  | P  |
| 7440-22-4 | Silver    | 9.6           |   | N* | P  |
| 7440-23-5 | Sodium    | 32.8          | U |    | P  |
| 7440-28-0 | Thallium  | 11.0          |   | N  | P  |
| 7440-62-2 | Vanadium  | 72.5          |   | N  | P  |
| 7440-66-6 | Zinc      | 15200         |   |    | P  |
|           | Cyanide   | 3.7           |   |    | CA |

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0003

Lab Name: COMPUCHEM Contract: 68W00082

Lab Code: LIBERTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG No.: ME0001

Matrix (soil/water): SOIL Lab Sample ID: ME0001-3

Level (low/med): LOW Date Received: 04/05/01

% Solids: 85.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No.   | Analyte   | Concentration | C | Q  | M  |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum  | 7320          |   |    | P  |
| 7440-36-0 | Antimony  | 3.8           | B | N  | P  |
| 7440-38-2 | Arsenic   | 13.1          |   | N  | P  |
| 7440-39-3 | Barium    | 187           |   | N  | P  |
| 7440-41-7 | Beryllium | 1.3           |   | NE | P  |
| 7440-43-9 | Cadmium   | 10.2          |   | NE | P  |
| 7440-70-2 | Calcium   | 51600         |   |    | P  |
| 7440-47-3 | Chromium  | 275           |   |    | P  |
| 7440-48-4 | Cobalt    | 7.8           | B | N  | P  |
| 7440-50-8 | Copper    | 462           |   |    | P  |
| 7439-89-6 | Iron      | 102000        |   |    | P  |
| 7439-92-1 | Lead      | 1860          |   |    | P  |
| 7439-95-4 | Magnesium | 12600         |   |    | P  |
| 7439-96-5 | Manganese | 5760          |   |    | P  |
| 7439-97-6 | Mercury   | 0.38          |   |    | CV |
| 7440-02-0 | Nickel    | 60.6          |   | N  | P  |
| 7440-09-7 | Potassium | 648           | B | E  | P  |
| 7782-49-2 | Selenium  | 3.8           |   | N  | P  |
| 7440-22-4 | Silver    | 2.9           |   | N* | P  |
| 7440-23-5 | Sodium    | 34.1          | U |    | P  |
| 7440-28-0 | Thallium  | 14.1          |   | N  | P  |
| 7440-62-2 | Vanadium  | 89.0          |   | N  | P  |
| 7440-66-6 | Zinc      | 10800         |   |    | P  |
|           | Cyanide   | 5.3           |   |    | CA |

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0004

Lab Name: COMPUCHEM Contract: 68W00082

Lab Code: LIBERTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG No.: ME0001

Matrix (soil/water): SOIL Lab Sample ID: ME0001-4

Level (low/med): LOW Date Received: 04/05/01

% Solids: 75.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No.   | Analyte   | Concentration | C | Q  | M  |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum  | 5630          |   |    | P  |
| 7440-36-0 | Antimony  | 1.9           | B | N  | P  |
| 7440-38-2 | Arsenic   | 2.8           |   | N  | P  |
| 7440-39-3 | Barium    | 64.0          |   | N  | P  |
| 7440-41-7 | Beryllium | 0.76          | B | NE | P  |
| 7440-43-9 | Cadmium   | 0.16          | U | NE | P  |
| 7440-70-2 | Calcium   | 49700         |   |    | P  |
| 7440-47-3 | Chromium  | 876           |   |    | P  |
| 7440-48-4 | Cobalt    | 6.4           | B | N  | P  |
| 7440-50-8 | Copper    | 29.7          |   |    | P  |
| 7439-89-6 | Iron      | 39800         |   |    | P  |
| 7439-92-1 | Lead      | 16.2          |   |    | P  |
| 7439-95-4 | Magnesium | 8250          |   |    | P  |
| 7439-96-5 | Manganese | 4150          |   |    | P  |
| 7439-97-6 | Mercury   | 0.060         | U |    | CV |
| 7440-02-0 | Nickel    | 383           |   | N  | P  |
| 7440-09-7 | Potassium | 716           | B | E  | P  |
| 7782-49-2 | Selenium  | 1.2           | U | N  | P  |
| 7440-22-4 | Silver    | 0.37          | B | N* | P  |
| 7440-23-5 | Sodium    | 469           | B |    | P  |
| 7440-28-0 | Thallium  | 4.7           |   | N  | P  |
| 7440-62-2 | Vanadium  | 33.8          |   | N  | P  |
| 7440-66-6 | Zinc      | 48.1          |   |    | P  |
|           | Cyanide   | 1.2           |   |    | CA |

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0005

Lab Name: COMPUCHEM Contract: 68W00082

Lab Code: LIBERTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG No.: ME0001

Matrix (soil/water): SOIL Lab Sample ID: ME0001-5

Level (low/med): LOW Date Received: 04/05/01

% Solids: 41.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No.   | Analyte   | Concentration | C | Q  | M  |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum  | 6290          |   |    | P  |
| 7440-36-0 | Antimony  | 16.9          | B | N  | P  |
| 7440-38-2 | Arsenic   | 14.2          |   | N  | P  |
| 7440-39-3 | Barium    | 45.0          | B | N  | P  |
| 7440-41-7 | Beryllium | 0.24          | B | NE | P  |
| 7440-43-9 | Cadmium   | 11.8          |   | NE | P  |
| 7440-70-2 | Calcium   | 96100         |   |    | P  |
| 7440-47-3 | Chromium  | 872           |   |    | P  |
| 7440-48-4 | Cobalt    | 6.5           | B | N  | P  |
| 7440-50-8 | Copper    | 364           |   |    | P  |
| 7439-89-6 | Iron      | 223000        |   |    | P  |
| 7439-92-1 | Lead      | 1140          |   |    | P  |
| 7439-95-4 | Magnesium | 11800         |   |    | P  |
| 7439-96-5 | Manganese | 12100         |   |    | P  |
| 7439-97-6 | Mercury   | 0.35          |   |    | CV |
| 7440-02-0 | Nickel    | 113           |   | N  | P  |
| 7440-09-7 | Potassium | 490           | B | E  | P  |
| 7782-49-2 | Selenium  | 3.6           |   | N  | P  |
| 7440-22-4 | Silver    | 4.6           |   | N* | P  |
| 7440-23-5 | Sodium    | 68.0          | U |    | P  |
| 7440-28-0 | Thallium  | 30.7          |   | N  | P  |
| 7440-62-2 | Vanadium  | 84.7          |   | N  | P  |
| 7440-66-6 | Zinc      | 5240          |   |    | P  |
|           | Cyanide   | 26.2          |   |    | CA |

Color Before: RED Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0006

Lab Name: COMPUCHEM Contract: 68W00082

Lab Code: LIBRTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG No.: ME0001

Matrix (soil/water): SOIL Lab Sample ID: ME0001-6

Level (low/med): LOW Date Received: 04/05/01

% Solids: 40.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No.   | Analyte   | Concentration | C | Q  | M  |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum  | 7650          |   |    | P  |
| 7440-36-0 | Antimony  | 1.8           | B | N  | P  |
| 7440-38-2 | Arsenic   | 9.2           |   | N  | P  |
| 7440-39-3 | Barium    | 49.4          | B | N  | P  |
| 7440-41-7 | Beryllium | 0.46          | B | NE | P  |
| 7440-43-9 | Cadmium   | 0.29          | B | NE | P  |
| 7440-70-2 | Calcium   | 45900         |   |    | P  |
| 7440-47-3 | Chromium  | 40.6          |   |    | P  |
| 7440-48-4 | Cobalt    | 8.7           | B | N  | P  |
| 7440-50-8 | Copper    | 52.6          |   |    | P  |
| 7439-89-6 | Iron      | 42300         |   |    | P  |
| 7439-92-1 | Lead      | 105           |   |    | P  |
| 7439-95-4 | Magnesium | 20300         |   |    | P  |
| 7439-96-5 | Manganese | 1010          |   |    | P  |
| 7439-97-6 | Mercury   | 0.084         | U |    | CV |
| 7440-02-0 | Nickel    | 25.5          |   | N  | P  |
| 7440-09-7 | Potassium | 1720          | B | E  | P  |
| 7782-49-2 | Selenium  | 3.7           |   | N  | P  |
| 7440-22-4 | Silver    | 0.41          | B | N* | P  |
| 7440-23-5 | Sodium    | 327           | B |    | P  |
| 7440-28-0 | Thallium  | 5.2           |   | N  | P  |
| 7440-62-2 | Vanadium  | 28.9          |   | N  | P  |
| 7440-66-6 | Zinc      | 305           |   |    | P  |
|           | Cyanide   | 1.2           | B |    | CA |

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0007

Lab Name: COMPUCHEM Contract: 68W00082

Lab Code: LIBRTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG No.: ME0001

Matrix (soil/water): SOIL Lab Sample ID: ME0001-7

Level (low/med): LOW Date Received: 04/05/01

% Solids: 39.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No.   | Analyte   | Concentration | C | Q  | M  |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum  | 7140          |   |    | P  |
| 7440-36-0 | Antimony  | 14.6          | B | N  | P  |
| 7440-38-2 | Arsenic   | 14.9          |   | N  | P  |
| 7440-39-3 | Barium    | 43.3          | B | N  | P  |
| 7440-41-7 | Beryllium | 0.086         | B | NE | P  |
| 7440-43-9 | Cadmium   | 8.0           |   | NE | P  |
| 7440-70-2 | Calcium   | 87800         |   |    | P  |
| 7440-47-3 | Chromium  | 1020          |   |    | P  |
| 7440-48-4 | Cobalt    | 8.3           | B | N  | P  |
| 7440-50-8 | Copper    | 386           |   |    | P  |
| 7439-89-6 | Iron      | 203000        |   |    | P  |
| 7439-92-1 | Lead      | 827           |   |    | P  |
| 7439-95-4 | Magnesium | 15600         |   |    | P  |
| 7439-96-5 | Manganese | 13100         |   |    | P  |
| 7439-97-6 | Mercury   | 0.21          | B |    | CV |
| 7440-02-0 | Nickel    | 95.2          |   | N  | P  |
| 7440-09-7 | Potassium | 903           | B | E  | P  |
| 7782-49-2 | Selenium  | 3.9           |   | N  | P  |
| 7440-22-4 | Silver    | 4.0           | B | N* | P  |
| 7440-23-5 | Sodium    | 74.0          | U |    | P  |
| 7440-28-0 | Thallium  | 30.3          |   | N  | P  |
| 7440-62-2 | Vanadium  | 89.4          |   | N  | P  |
| 7440-66-6 | Zinc      | 4000          |   |    | P  |
|           | Cyanide   | 30.8          |   |    | CA |

Color Before: RED Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0008

Lab Name: COMPUCHEM Contract: 68W00082

Lab Code: LIBERTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG No.: ME0001

Matrix (soil/water): SOIL Lab Sample ID: ME0001-8

Level (low/med): LOW Date Received: 04/05/01

% Solids: 40.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No.   | Analyte   | Concentration | C | Q  | M  |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum  | 7110          |   |    | P  |
| 7440-36-0 | Antimony  | 1.9           | B | N  | P  |
| 7440-38-2 | Arsenic   | 8.5           |   | N  | P  |
| 7440-39-3 | Barium    | 47.7          | B | N  | P  |
| 7440-41-7 | Beryllium | 0.40          | B | NE | P  |
| 7440-43-9 | Cadmium   | 0.30          | U | NE | P  |
| 7440-70-2 | Calcium   | 42600         |   |    | P  |
| 7440-47-3 | Chromium  | 34.0          |   |    | P  |
| 7440-48-4 | Cobalt    | 8.4           | B | N  | P  |
| 7440-50-8 | Copper    | 49.1          |   |    | P  |
| 7439-89-6 | Iron      | 38900         |   |    | P  |
| 7439-92-1 | Lead      | 92.4          |   |    | P  |
| 7439-95-4 | Magnesium | 19500         |   |    | P  |
| 7439-96-5 | Manganese | 955           |   |    | P  |
| 7439-97-6 | Mercury   | 0.15          | B |    | CV |
| 7440-02-0 | Nickel    | 24.3          |   | N  | P  |
| 7440-09-7 | Potassium | 1580          | B | E  | P  |
| 7782-49-2 | Selenium  | 2.4           | U | N  | P  |
| 7440-22-4 | Silver    | 0.35          | B | N* | P  |
| 7440-23-5 | Sodium    | 326           | B |    | P  |
| 7440-28-0 | Thallium  | 4.2           | B | N  | P  |
| 7440-62-2 | Vanadium  | 26.9          |   | N  | P  |
| 7440-66-6 | Zinc      | 259           |   |    | P  |
|           | Cyanide   | 0.88          | B |    | CA |

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0009

Lab Name: COMPUCHEM Contract: 68W00082  
 Lab Code: LIBRTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG No.: ME0001  
 Matrix (soil/water): SOIL Lab Sample ID: ME0001-9  
 Level (low/med): LOW Date Received: 04/05/01  
 % Solids: 37.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No.   | Analyte   | Concentration | C | Q  | M  |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum  | 10100         |   |    | P  |
| 7440-36-0 | Antimony  | 2.1           | B | N  | P  |
| 7440-38-2 | Arsenic   | 12.6          |   | N  | P  |
| 7440-39-3 | Barium    | 68.1          | B | N  | P  |
| 7440-41-7 | Beryllium | 0.35          | B | NE | P  |
| 7440-43-9 | Cadmium   | 0.88          | B | NE | P  |
| 7440-70-2 | Calcium   | 57500         |   |    | P  |
| 7440-47-3 | Chromium  | 52.7          |   |    | P  |
| 7440-48-4 | Cobalt    | 12.3          | B | N  | P  |
| 7440-50-8 | Copper    | 66.5          |   |    | P  |
| 7439-89-6 | Iron      | 58000         |   |    | P  |
| 7439-92-1 | Lead      | 119           |   |    | P  |
| 7439-95-4 | Magnesium | 26400         |   |    | P  |
| 7439-96-5 | Manganese | 1350          |   |    | P  |
| 7439-97-6 | Mercury   | 0.17          | B |    | CV |
| 7440-02-0 | Nickel    | 35.1          |   | N  | P  |
| 7440-09-7 | Potassium | 2080          | B | E  | P  |
| 7782-49-2 | Selenium  | 2.4           | U | N  | P  |
| 7440-22-4 | Silver    | 0.50          | B | N* | P  |
| 7440-23-5 | Sodium    | 185           | B |    | P  |
| 7440-28-0 | Thallium  | 10.8          |   | N  | P  |
| 7440-62-2 | Vanadium  | 37.0          |   | N  | P  |
| 7440-66-6 | Zinc      | 372           |   |    | P  |
|           | Cyanide   | 0.62          | B |    | CA |

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0010

Lab Name: COMPUCHEM Contract: 68W00082  
 Lab Code: LIBRTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG No.: ME0001  
 Matrix (soil/water): SOIL Lab Sample ID: ME0001-10  
 Level (low/med): LOW Date Received: 04/05/01  
 % Solids: 42.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No.   | Analyte   | Concentration | C | Q  | M  |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum  | 6130          |   |    | P  |
| 7440-36-0 | Antimony  | 2.0           | B | N  | P  |
| 7440-38-2 | Arsenic   | 8.2           |   | N  | P  |
| 7440-39-3 | Barium    | 42.6          | B | N  | P  |
| 7440-41-7 | Beryllium | 0.30          | B | NE | P  |
| 7440-43-9 | Cadmium   | 0.42          | B | NE | P  |
| 7440-70-2 | Calcium   | 38500         |   |    | P  |
| 7440-47-3 | Chromium  | 30.7          |   |    | P  |
| 7440-48-4 | Cobalt    | 7.8           | B | N  | P  |
| 7440-50-8 | Copper    | 45.1          |   |    | P  |
| 7439-89-6 | Iron      | 40400         |   |    | P  |
| 7439-92-1 | Lead      | 85.7          |   |    | P  |
| 7439-95-4 | Magnesium | 17500         |   |    | P  |
| 7439-96-5 | Manganese | 848           |   |    | P  |
| 7439-97-6 | Mercury   | 0.10          | U |    | CV |
| 7440-02-0 | Nickel    | 22.0          |   | N  | P  |
| 7440-09-7 | Potassium | 1300          | B | E  | P  |
| 7782-49-2 | Selenium  | 2.4           |   | N  | P  |
| 7440-22-4 | Silver    | 0.41          | B | N* | P  |
| 7440-23-5 | Sodium    | 240           | B |    | P  |
| 7440-28-0 | Thallium  | 4.8           |   | N  | P  |
| 7440-62-2 | Vanadium  | 24.5          |   | N  | P  |
| 7440-66-6 | Zinc      | 245           |   |    | P  |
|           | Cyanide   | 1.2           |   |    | CA |

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0011

Lab Name: COMPUCHEM Contract: 68W00082

Lab Code: LIBRTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG No.: ME0001

Matrix (soil/water): SOIL Lab Sample ID: ME0001-11

Level (low/med): LOW Date Received: 04/05/01

% Solids: 42.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No.   | Analyte   | Concentration | C | Q  | M  |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum  | 8590          |   |    | P  |
| 7440-36-0 | Antimony  | 2.9           | B | N  | P  |
| 7440-38-2 | Arsenic   | 12.3          |   | N  | P  |
| 7440-39-3 | Barium    | 55.7          | B | N  | P  |
| 7440-41-7 | Beryllium | 0.58          | B | NE | P  |
| 7440-43-9 | Cadmium   | 0.84          | B | NE | P  |
| 7440-70-2 | Calcium   | 51500         |   |    | P  |
| 7440-47-3 | Chromium  | 54.6          |   |    | P  |
| 7440-48-4 | Cobalt    | 10.8          | B | N  | P  |
| 7440-50-8 | Copper    | 70.2          |   |    | P  |
| 7439-89-6 | Iron      | 62900         |   |    | P  |
| 7439-92-1 | Lead      | 168           |   |    | P  |
| 7439-95-4 | Magnesium | 22500         |   |    | P  |
| 7439-96-5 | Manganese | 1930          |   |    | P  |
| 7439-97-6 | Mercury   | 0.16          | B |    | CV |
| 7440-02-0 | Nickel    | 30.5          |   | N  | P  |
| 7440-09-7 | Potassium | 1540          | B | E  | P  |
| 7782-49-2 | Selenium  | 2.5           |   | N  | P  |
| 7440-22-4 | Silver    | 0.65          | B | N* | P  |
| 7440-23-5 | Sodium    | 65.8          | U |    | P  |
| 7440-28-0 | Thallium  | 9.0           |   | N  | P  |
| 7440-62-2 | Vanadium  | 33.3          |   | N  | P  |
| 7440-66-6 | Zinc      | 422           |   |    | P  |
|           | Cyanide   | 1.3           |   |    | CA |

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0012

Lab Name: COMPJCHEM Contract: 68W00082  
 Lab Code: LIBRTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG No.: ME0001  
 Matrix (soil/water): SOIL Lab Sample ID: ME0001-12  
 Level (low/med): LOW Date Received: 04/05/01  
 % Solids: 48.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No.   | Analyte   | Concentration | C | Q  | M  |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum  | 7520          |   |    | P  |
| 7440-36-0 | Antimony  | 3.6           | B | N  | P  |
| 7440-38-2 | Arsenic   | 11.4          |   | N  | P  |
| 7440-39-3 | Barium    | 55.4          | B | N  | P  |
| 7440-41-7 | Beryllium | 0.41          | B | NE | P  |
| 7440-43-9 | Cadmium   | 0.48          | B | NE | P  |
| 7440-70-2 | Calcium   | 57200         |   |    | P  |
| 7440-47-3 | Chromium  | 38.9          |   |    | P  |
| 7440-48-4 | Cobalt    | 9.2           | B | N  | P  |
| 7440-50-8 | Copper    | 52.4          |   |    | P  |
| 7439-89-6 | Iron      | 57600         |   |    | P  |
| 7439-92-1 | Lead      | 88.6          |   |    | P  |
| 7439-95-4 | Magnesium | 25100         |   |    | P  |
| 7439-96-5 | Manganese | 1120          |   |    | P  |
| 7439-97-6 | Mercury   | 0.15          | B |    | CV |
| 7440-02-0 | Nickel    | 25.8          |   | N  | P  |
| 7440-09-7 | Potassium | 1520          | B | E  | P  |
| 7782-49-2 | Selenium  | 3.0           |   | N  | P  |
| 7440-22-4 | Silver    | 0.28          | B | N* | P  |
| 7440-23-5 | Sodium    | 231           | B |    | P  |
| 7440-28-0 | Thallium  | 8.3           |   | N  | P  |
| 7440-62-2 | Vanadium  | 30.8          |   | N  | P  |
| 7440-66-6 | Zinc      | 260           |   |    | P  |
|           | Cyanide   | 1.3           |   |    | CA |

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0013

Lab Name: COMPUCHEM Contract: 68W00082  
 Lab Code: LIBERTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG No.: ME0001  
 Matrix (soil/water): SOIL Lab Sample ID: ME0001-13  
 Level (low/med): LOW Date Received: 04/05/01  
 % Solids: 48.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No.   | Analyte   | Concentration | C | Q  | M  |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum  | 7710          |   |    | P  |
| 7440-36-0 | Antimony  | 2.5           | B | N  | P  |
| 7440-38-2 | Arsenic   | 12.3          |   | N  | P  |
| 7440-39-3 | Barium    | 54.1          | B | N  | P  |
| 7440-41-7 | Beryllium | 0.61          | B | NE | P  |
| 7440-43-9 | Cadmium   | 0.23          | U | NE | P  |
| 7440-70-2 | Calcium   | 51500         |   |    | P  |
| 7440-47-3 | Chromium  | 42.9          |   |    | P  |
| 7440-48-4 | Cobalt    | 8.7           | B | N  | P  |
| 7440-50-8 | Copper    | 55.3          |   |    | P  |
| 7439-89-6 | Iron      | 70400         |   |    | P  |
| 7439-92-1 | Lead      | 115           |   |    | P  |
| 7439-95-4 | Magnesium | 22500         |   |    | P  |
| 7439-96-5 | Manganese | 1300          |   |    | P  |
| 7439-97-6 | Mercury   | 0.15          |   |    | CV |
| 7440-02-0 | Nickel    | 25.9          |   | N  | P  |
| 7440-09-7 | Potassium | 1350          | B | E  | P  |
| 7782-49-2 | Selenium  | 2.7           |   | N  | P  |
| 7440-22-4 | Silver    | 0.34          | B | N* | P  |
| 7440-23-5 | Sodium    | 131           | B |    | P  |
| 7440-28-0 | Thallium  | 8.2           |   | N  | P  |
| 7440-62-2 | Vanadium  | 32.3          |   | N  | P  |
| 7440-66-6 | Zinc      | 308           |   |    | P  |
|           | Cyanide   | 1.5           |   |    | CA |

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0014

Lab Name: COMFUCHEM Contract: 68W00082  
 Lab Code: LIBRTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG No.: ME0001  
 Matrix (soil/water): SOIL Lab Sample ID: ME0001-14  
 Level (low/med): LOW Date Received: 04/05/01  
 % Solids: 46.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No.   | Analyte   | Concentration | C | Q  | M  |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum  | 7640          |   |    | P  |
| 7440-36-0 | Antimony  | 1.8           | B | N  | P  |
| 7440-38-2 | Arsenic   | 10.6          |   | N  | P  |
| 7440-39-3 | Barium    | 57.6          | B | N  | P  |
| 7440-41-7 | Beryllium | 0.33          | B | NE | P  |
| 7440-43-9 | Cadmium   | 0.77          | B | NE | P  |
| 7440-70-2 | Calcium   | 52700         |   |    | P  |
| 7440-47-3 | Chromium  | 34.5          |   |    | P  |
| 7440-48-4 | Cobalt    | 9.4           | B | N  | P  |
| 7440-50-8 | Copper    | 55.6          |   |    | P  |
| 7439-89-6 | Iron      | 55300         |   |    | P  |
| 7439-92-1 | Lead      | 94.1          |   |    | P  |
| 7439-95-4 | Magnesium | 23400         |   |    | P  |
| 7439-96-5 | Manganese | 1110          |   |    | P  |
| 7439-97-6 | Mercury   | 0.16          |   |    | CV |
| 7440-02-0 | Nickel    | 25.9          |   | N  | P  |
| 7440-09-7 | Potassium | 1540          | B | E  | P  |
| 7782-49-2 | Selenium  | 2.2           |   | N  | P  |
| 7440-22-4 | Silver    | 0.36          | B | N* | P  |
| 7440-23-5 | Sodium    | 171           | B |    | P  |
| 7440-28-0 | Thallium  | 8.7           |   | N  | P  |
| 7440-62-2 | Vanadium  | 30.8          |   | N  | P  |
| 7440-66-6 | Zinc      | 288           |   |    | P  |
|           | Cyanide   | 0.83          | B |    | CA |

Color: Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color: After: YELLOW Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0015

Lab Name: COMPUCHEM Contract: 68W00082

Lab Code: LIBERTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG No.: ME0001

Matrix (soil/water): SOIL Lab Sample ID: ME0001-15

Level (low/med): LOW Date Received: 04/05/01

% Solids: 42.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No.   | Analyte   | Concentration | C | Q  | M  |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum  | 7540          |   |    | P  |
| 7440-36-0 | Antimony  | 2.1           | B | N  | P  |
| 7440-38-2 | Arsenic   | 10.0          |   | N  | P  |
| 7440-39-3 | Barium    | 55.7          | B | N  | P  |
| 7440-41-7 | Beryllium | 0.52          | B | NE | P  |
| 7440-43-9 | Cadmium   | 0.28          | U | NE | P  |
| 7440-70-2 | Calcium   | 47700         |   |    | P  |
| 7440-47-3 | Chromium  | 36.5          |   |    | P  |
| 7440-48-4 | Cobalt    | 8.9           | B | N  | P  |
| 7440-50-8 | Copper    | 56.3          |   |    | P  |
| 7439-89-6 | Iron      | 54200         |   |    | P  |
| 7439-92-1 | Lead      | 118           |   |    | P  |
| 7439-95-4 | Magnesium | 21000         |   |    | P  |
| 7439-96-5 | Manganese | 1110          |   |    | P  |
| 7439-97-6 | Mercury   | 0.15          | B |    | CV |
| 7440-02-0 | Nickel    | 25.7          |   | N  | P  |
| 7440-09-7 | Potassium | 1530          | B | E  | P  |
| 7782-49-2 | Selenium  | 2.9           |   | N  | P  |
| 7440-22-4 | Silver    | 0.59          | B | N* | P  |
| 7440-23-5 | Sodium    | 222           | B |    | P  |
| 7440-28-0 | Thallium  | 5.4           |   | N  | P  |
| 7440-62-2 | Vanadium  | 31.2          |   | N  | P  |
| 7440-66-6 | Zinc      | 334           |   |    | P  |
|           | Cyanide   | 1.4           |   |    | CA |

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0016

Lab Name: COMPUCHEM Contract: 68W00082

Lab Code: LIBRTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG No.: ME0001

Matrix (soil/water): SOIL Lab Sample ID: ME0001-16

Level (low/med): LOW Date Received: 04/05/01

% Solids: 48.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No.   | Analyte   | Concentration | C | Q  | M  |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum  | 7320          |   |    | P  |
| 7440-36-0 | Antimony  | 2.5           | B | N  | P  |
| 7440-38-2 | Arsenic   | 12.1          |   | N  | P  |
| 7440-39-3 | Barium    | 60.1          | B | N  | P  |
| 7440-41-7 | Beryllium | 0.38          | B | NE | P  |
| 7440-43-9 | Cadmium   | 0.58          | B | NE | P  |
| 7440-70-2 | Calcium   | 56300         |   |    | P  |
| 7440-47-3 | Chromium  | 41.2          |   |    | P  |
| 7440-48-4 | Cobalt    | 9.2           | B | N  | P  |
| 7440-50-8 | Copper    | 51.6          |   |    | P  |
| 7439-89-6 | Iron      | 66500         |   |    | P  |
| 7439-92-1 | Lead      | 101           |   |    | P  |
| 7439-95-4 | Magnesium | 23100         |   |    | P  |
| 7439-96-5 | Manganese | 1260          |   |    | P  |
| 7439-97-6 | Mercury   | 0.12          | B |    | CV |
| 7440-02-0 | Nickel    | 27.6          |   | N  | P  |
| 7440-09-7 | Potassium | 1340          | B | E  | P  |
| 7782-49-2 | Selenium  | 2.2           |   | N  | P  |
| 7440-22-4 | Silver    | 0.40          | B | N* | P  |
| 7440-23-5 | Sodium    | 199           | B |    | P  |
| 7440-28-0 | Thallium  | 11.1          |   | N  | P  |
| 7440-62-2 | Vanadium  | 30.2          |   | N  | P  |
| 7440-66-6 | Zinc      | 292           |   |    | P  |
|           | Cyanide   | 1.6           |   |    | CA |

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0017

Lab Name: COMPUCHEM Contract: 68W00082

Lab Code: LIBRTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG No.: ME0001

Matrix (soil/water): SOIL Lab Sample ID: ME0001-17

Level (low/med): LOW Date Received: 04/05/01

% Solids: 50.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No.   | Analyte   | Concentration | C | Q  | M  |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum  | 6580          |   |    | P  |
| 7440-36-0 | Antimony  | 15.9          | B | N  | P  |
| 7440-38-2 | Arsenic   | 25.8          |   | N  | P  |
| 7440-39-3 | Barium    | 79.1          |   | N  | P  |
| 7440-41-7 | Beryllium | 0.63          | B | NE | P  |
| 7440-43-9 | Cadmium   | 0.54          | B | NE | P  |
| 7440-70-2 | Calcium   | 37200         |   |    | P  |
| 7440-47-3 | Chromium  | 131           |   |    | P  |
| 7440-48-4 | Cobalt    | 10.1          | B | N  | P  |
| 7440-50-8 | Copper    | 208           |   |    | P  |
| 7439-89-6 | Iron      | 145000        |   |    | P  |
| 7439-92-1 | Lead      | 367           |   |    | P  |
| 7439-95-4 | Magnesium | 9440          |   |    | P  |
| 7439-96-5 | Manganese | 2600          |   |    | P  |
| 7439-97-6 | Mercury   | 0.63          |   |    | CV |
| 7440-02-0 | Nickel    | 118           |   | N  | P  |
| 7440-09-7 | Potassium | 984           | B | E  | P  |
| 7782-49-2 | Selenium  | 5.6           |   | N  | P  |
| 7440-22-4 | Silver    | 0.82          | B | N* | P  |
| 7440-23-5 | Sodium    | 132           | B |    | P  |
| 7440-28-0 | Thallium  | 18.2          |   | N  | P  |
| 7440-62-2 | Vanadium  | 42.4          |   | N  | P  |
| 7440-66-6 | Zinc      | 628           |   |    | P  |
|           | Cyanide   | 3.4           |   |    | CA |

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0018

Lab Name: COMPUCHEM Contract: 68W00082

Lab Code: LIBRNY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG No.: ME0001

Matrix (soil/water): SOIL Lab Sample ID: ME0001-18

Level (low/med): LOW Date Received: 04/05/01

8 Solids: 42.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No.   | Analyte   | Concentration | C | Q  | M  |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum  | 7910          |   |    | P  |
| 7440-36-0 | Antimony  | 6.5           | B | N  | P  |
| 7440-38-2 | Arsenic   | 12.1          |   | N  | P  |
| 7440-39-3 | Barium    | 256           |   | N  | P  |
| 7440-41-7 | Beryllium | 0.45          | B | NE | P  |
| 7440-43-9 | Cadmium   | 0.28          | U | NE | P  |
| 7440-70-2 | Calcium   | 55000         |   |    | P  |
| 7440-47-3 | Chromium  | 98.7          |   |    | P  |
| 7440-48-4 | Cobalt    | 12.3          | B | N  | P  |
| 7440-50-8 | Copper    | 105           |   |    | P  |
| 7439-89-6 | Iron      | 102000        |   |    | P  |
| 7439-92-1 | Lead      | 400           |   |    | P  |
| 7439-95-4 | Magnesium | 20000         |   |    | P  |
| 7439-96-5 | Manganese | 1600          |   |    | P  |
| 7439-97-6 | Mercury   | 0.41          |   |    | CV |
| 7440-02-0 | Nickel    | 56.8          |   | N  | P  |
| 7440-09-7 | Potassium | 1750          | B | E  | P  |
| 7782-49-2 | Selenium  | 4.2           |   | N  | P  |
| 7440-22-4 | Silver    | 0.34          | B | N* | P  |
| 7440-23-5 | Sodium    | 256           | B |    | P  |
| 7440-28-0 | Thallium  | 11.9          |   | N  | P  |
| 7440-62-2 | Vanadium  | 33.1          |   | N  | P  |
| 7440-66-6 | Zinc      | 245           |   |    | P  |
|           | Cyanide   | 1.1           | B |    | CA |

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0019

Lab Name: COMPUCHEM

Contract: 68W00082

Lab Code: LIBRTY

Case No.: 29118

SAS No.: \_\_\_\_\_

SDG No.: ME0001

Matrix (soil/water): SOIL

Lab Sample ID: ME0001-19

Level (low/med): LOW

Date Received: 04/05/01

% Solids: 35.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No.   | Analyte   | Concentration | C | Q  | M  |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum  | 7320          |   |    | P  |
| 7440-36-0 | Antimony  | 2.6           | B | N  | P  |
| 7440-38-2 | Arsenic   | 9.3           |   | N  | P  |
| 7440-39-3 | Barium    | 45.3          | B | N  | P  |
| 7440-41-7 | Beryllium | 0.054         | U | NE | P  |
| 7440-43-9 | Cadmium   | 2.8           |   | NE | P  |
| 7440-70-2 | Calcium   | 49700         |   |    | P  |
| 7440-47-3 | Chromium  | 97.8          |   |    | P  |
| 7440-48-4 | Cobalt    | 9.8           | B | N  | P  |
| 7440-50-8 | Copper    | 118           |   |    | P  |
| 7439-89-6 | Iron      | 50900         |   |    | P  |
| 7439-92-1 | Lead      | 296           |   |    | P  |
| 7439-95-4 | Magnesium | 20300         |   |    | P  |
| 7439-96-5 | Manganese | 1300          |   |    | P  |
| 7439-97-6 | Mercury   | 0.43          |   |    | CV |
| 7440-02-0 | Nickel    | 40.4          |   | N  | P  |
| 7440-09-7 | Potassium | 1570          | B | E  | P  |
| 7782-49-2 | Selenium  | 3.1           |   | N  | P  |
| 7440-22-4 | Silver    | 1.1           | B | N* | P  |
| 7440-23-5 | Sodium    | 82.3          | U |    | P  |
| 7440-28-0 | Thallium  | 7.7           |   | N  | P  |
| 7440-62-2 | Vanadium  | 31.5          |   | N  | P  |
| 7440-66-6 | Zinc      | 751           |   |    | P  |
|           | Cyanide   | 1.5           |   |    | CA |

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: MEDIUM

Color After: YELLOW

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_

U. S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME0020

Lab Name: COMFUCHEM Contract: 68W00082

Lab Code: LIBERTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG No.: ME0001

Matrix (soil/water): SOIL Lab Sample ID: ME0001-20

Level (low/med): LOW Date Received: 04/05/01

% Solids: 46.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No.   | Analyte   | Concentration | C | Q  | M  |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum  | 9150          |   |    | P  |
| 7440-36-0 | Antimony  | 4.3           | B | N  | P  |
| 7440-38-2 | Arsenic   | 14.1          |   | N  | P  |
| 7440-39-3 | Barium    | 66.0          | B | N  | P  |
| 7440-41-7 | Beryllium | 0.64          | B | NE | P  |
| 7440-43-9 | Cadmium   | 1.7           | B | NE | P  |
| 7440-70-2 | Calcium   | 57100         |   |    | P  |
| 7440-47-3 | Chromium  | 136           |   |    | P  |
| 7440-48-4 | Cobalt    | 11.2          | B | N  | P  |
| 7440-50-8 | Copper    | 146           |   |    | P  |
| 7439-89-6 | Iron      | 80500         |   |    | P  |
| 7439-92-1 | Lead      | 536           |   |    | P  |
| 7439-95-4 | Magnesium | 24000         |   |    | P  |
| 7439-96-5 | Manganese | 1950          |   |    | P  |
| 7439-97-6 | Mercury   | 0.89          |   |    | CV |
| 7440-02-0 | Nickel    | 53.4          |   | N  | P  |
| 7440-09-7 | Potassium | 1690          | B | E  | P  |
| 7782-49-2 | Selenium  | 3.4           |   | N  | P  |
| 7440-22-4 | Silver    | 1.0           | B | N* | P  |
| 7440-23-5 | Sodium    | 61.3          | U |    | P  |
| 7440-28-0 | Thallium  | 9.8           |   | N  | P  |
| 7440-62-2 | Vanadium  | 42.7          |   | N  | P  |
| 7440-66-6 | Zinc      | 785           |   |    | P  |
|           | Cyanide   | 3.8           |   |    | CA |

Color Before: BROWN Clarity Before: \_\_\_\_\_ Texture: MEDIUM

Color After: YELLOW Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

U. S. EPA - CLP

3

BLANKS

Lab Name: COMPUCHEM Contract: 68W00082  
 Lab Code: LIBERTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG NO.: ME0001  
 Preparation Blank Matrix (soil/water): SOIL  
 Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

| Analyte   | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) |         |         |           |    |   | Preparation Blank | M |
|-----------|-----------------------------|-------------------------------------|---------|---------|-----------|----|---|-------------------|---|
|           |                             | C                                   | 1 C     | 2 C     | 3 C       | C  | C |                   |   |
| Aluminum  | 15.1 U                      | 17.1 B                              | 15.1 U  | 43.8 B  | 5.480 B   | P  |   |                   |   |
| Antimony  | 2.5 U                       | 2.5 U                               | 2.5 U   | 2.5 U   | 0.500 U   | P  |   |                   |   |
| Arsenic   | 4.2 U                       | 4.2 U                               | 4.2 U   | 4.2 U   | 0.840 U   | P  |   |                   |   |
| Barium    | 0.2 U                       | 0.2 U                               | 0.2 B   | 0.2 U   | 0.484 B   | P  |   |                   |   |
| Beryllium | 0.1 U                       | 0.1 U                               | 0.2 B   | 0.1 U   | 0.020 U   | P  |   |                   |   |
| Cadmium   | 0.6 U                       | 0.6 U                               | 0.6 U   | 0.6 U   | 0.120 U   | P  |   |                   |   |
| Calcium   | -58.9 B                     | 17.6 U                              | -26.9 B | 17.6 U  | 3.520 U   | P  |   |                   |   |
| Chromium  | 0.5 U                       | 0.5 U                               | 0.5 U   | 0.5 U   | 0.100 U   | P  |   |                   |   |
| Cobalt    | 0.7 U                       | 0.7 U                               | 0.7 U   | 0.7 U   | 0.140 U   | P  |   |                   |   |
| Copper    | 0.7 U                       | 0.7 U                               | 0.7 U   | 1.1 B   | 0.140 U   | P  |   |                   |   |
| Iron      | 14.2 U                      | 14.2 U                              | 14.2 U  | 20.1 B  | 2.840 U   | P  |   |                   |   |
| Lead      | 1.7 U                       | 1.7 U                               | 1.7 U   | 1.7 U   | 0.468 B   | P  |   |                   |   |
| Magnesium | 8.9 U                       | 34.5 B                              | 22.3 B  | 53.8 B  | 4.496 B   | P  |   |                   |   |
| Manganese | 0.1 U                       | 0.2 B                               | 0.3 B   | 0.2 B   | 0.201 B   | P  |   |                   |   |
| Mercury   | 0.1 U                       | 0.1 U                               | 0.1 U   | 0.1 U   | 0.050 U   | CV |   |                   |   |
| Nickel    | 1.3 U                       | 1.3 U                               | 1.3 U   | 1.3 U   | 0.260 U   | P  |   |                   |   |
| Potassium | 41.6 U                      | 41.6 U                              | 41.6 U  | 41.6 U  | 8.320 U   | P  |   |                   |   |
| Selenium  | 4.8 U                       | 4.8 U                               | 4.8 U   | 4.8 U   | 0.960 U   | P  |   |                   |   |
| Silver    | 0.5 B                       | 0.5 U                               | 0.5 U   | 0.5 U   | 0.100 U   | P  |   |                   |   |
| Sodium    | 192.9 B                     | 152.1 U                             | 152.1 U | 152.1 U | 138.092 B | P  |   |                   |   |
| Thallium  | 6.2 U                       | 6.2 U                               | 6.2 U   | 6.2 U   | 1.240 U   | P  |   |                   |   |
| Vanadium  | 0.7 U                       | 0.7 U                               | 0.7 U   | 0.7 U   | 0.164 B   | P  |   |                   |   |
| Zinc      | -4.7 B                      | -3.8 B                              | -3.6 B  | -3.6 B  | -.415 B   | P  |   |                   |   |
| Cyanide   | -.8 B                       | -.8 B                               | -.8 B   | -.6 B   | 0.030 U   | CA |   |                   |   |

U. S. EPA - CLP

3

BLANKS

Lab Name: COMPUCHEM Contract: 68W00082  
 Lab Code: LIBRTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG NO.: ME0001  
 Preparation Blank Matrix (soil/water): \_\_\_\_\_  
 Preparation Blank Concentration Units (ug/L or mg/kg): \_\_\_\_\_

| Analyte   | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) |   |       |   |       |   | Preparation Blank | C | M  |
|-----------|-----------------------------|-------------------------------------|---|-------|---|-------|---|-------------------|---|----|
|           |                             | 1                                   | C | 2     | C | 3     | C |                   |   |    |
| Aluminum  |                             | 17.9                                | B | 63.5  | B | 29.6  | B |                   |   | P  |
| Antimony  |                             | 2.5                                 | U | 2.5   | U | 2.5   | U |                   |   | P  |
| Arsenic   |                             | 4.2                                 | U | 4.2   | U | 4.2   | U |                   |   | P  |
| Barium    |                             | 0.2                                 | U | 0.2   | B | 0.2   | U |                   |   | P  |
| Beryllium |                             | 0.1                                 | U | 0.1   | B | 0.1   | U |                   |   | P  |
| Cadmium   |                             | 0.6                                 | U | 0.6   | U | 0.6   | U |                   |   | P  |
| Calcium   |                             | -26.9                               | B | 17.6  | U | -41.4 | B |                   |   | P  |
| Chromium  |                             | 0.5                                 | U | 0.5   | U | 0.5   | U |                   |   | P  |
| Cobalt    |                             | 0.7                                 | U | 0.7   | U | 0.7   | U |                   |   | P  |
| Copper    |                             | 0.7                                 | U | 0.7   | U | 0.7   | U |                   |   | P  |
| Iron      |                             | 14.2                                | U | 21.3  | B | 14.2  | U |                   |   | P  |
| Lead      |                             | 1.7                                 | U | 1.7   | U | 1.7   | U |                   |   | P  |
| Magnesium |                             | 14.8                                | B | 55.1  | B | 23.4  | B |                   |   | P  |
| Manganese |                             | 0.2                                 | B | 0.3   | B | 0.2   | B |                   |   | P  |
| Mercury   |                             | 0.1                                 | U |       |   |       |   |                   |   | CV |
| Nickel    |                             | 1.3                                 | U | 1.3   | U | 1.3   | U |                   |   | P  |
| Potassium |                             | 41.6                                | U | 41.6  | U | 41.6  | U |                   |   | P  |
| Selenium  |                             | 4.8                                 | U | 4.8   | U | 4.8   | U |                   |   | P  |
| Silver    |                             | 0.5                                 | U | 0.5   | B | 0.5   | U |                   |   | P  |
| Sodium    |                             | 152.1                               | U | 187.2 | B | 206.1 | B |                   |   | P  |
| Thallium  |                             | 6.2                                 | U | 6.2   | U | 6.2   | U |                   |   | P  |
| Vanadium  |                             | 0.7                                 | U | 0.7   | U | 0.7   | U |                   |   | P  |
| Zinc      |                             | -3.6                                | B | -4.2  | B | -4.3  | B |                   |   | P  |
| Cyanide   |                             | -.8                                 | B |       |   |       |   |                   |   | CA |

U. S. EPA - CLP

3

BLANKS

Lab Name: COMPUCHEM Contract: 68W00082  
 Lab Code: LIBRTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG NO.: ME0001  
 Preparation Blank Matrix (soil/water): \_\_\_\_\_  
 Preparation Blank Concentration Units (ug/L or mg/kg): \_\_\_\_\_

| Analyte   | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) |   |       |   |       |   | Preparation Blank | C | M |
|-----------|-----------------------------|-------------------------------------|---|-------|---|-------|---|-------------------|---|---|
|           |                             | 1                                   | C | 2     | C | 3     | C |                   |   |   |
| Aluminum  |                             | 32.7                                | B | 15.1  | U | 70.6  | B |                   |   | P |
| Antimony  |                             | 2.5                                 | U | 2.5   | U | 2.5   | U |                   |   | P |
| Arsenic   |                             | 4.2                                 | U | 4.2   | U | 4.2   | U |                   |   | P |
| Barium    |                             | 0.2                                 | U | 0.2   | U | 0.2   | U |                   |   | P |
| Beryllium |                             | -.1                                 | B | -.2   | B | 0.1   | U |                   |   | P |
| Cadmium   |                             | 0.6                                 | U | 0.6   | U | 0.6   | U |                   |   | P |
| Calcium   |                             | -17.8                               | B | -50.7 | B | 17.6  | U |                   |   | P |
| Chromium  |                             | 0.5                                 | U | 0.5   | U | 0.5   | U |                   |   | P |
| Cobalt    |                             | 0.7                                 | U | 0.7   | U | 0.7   | U |                   |   | P |
| Copper    |                             | 0.8                                 | B | 0.7   | U | 0.7   | U |                   |   | P |
| Iron      |                             | 14.2                                | U | 14.2  | U | 15.6  | B |                   |   | P |
| Lead      |                             | 1.7                                 | U | 1.7   | U | 1.7   | U |                   |   | P |
| Magnesium |                             | 40.8                                | B | 16.0  | B | 62.1  | B |                   |   | P |
| Manganese |                             | 0.2                                 | B | 0.2   | B | 0.2   | B |                   |   | P |
| Nickel    |                             | 1.3                                 | U | 1.3   | U | 1.3   | U |                   |   | P |
| Potassium |                             | 41.6                                | U | 41.6  | U | 41.6  | U |                   |   | P |
| Selenium  |                             | 4.8                                 | U | 4.8   | U | 4.8   | U |                   |   | P |
| Silver    |                             | 0.5                                 | U | 0.5   | U | 0.5   | U |                   |   | P |
| Sodium    |                             | 184.9                               | B | 152.1 | U | 152.1 | U |                   |   | P |
| Thallium  |                             | 6.2                                 | U | 6.2   | U | 6.2   | U |                   |   | P |
| Vanadium  |                             | 0.7                                 | U | 0.7   | U | 0.7   | U |                   |   | P |
| Zinc      |                             | -4.2                                | B | -4.4  | B | -4.3  | B |                   |   | P |

U. S. EPA - CLP

3

BLANKS

Lab Name: COMPUCHEM Contract: 68W00082

Lab Code: LIBERTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG NO.: ME0001

Preparation Blank Matrix (soil/water): \_\_\_\_\_

Preparation Blank Concentration Units (ug/L or mg/kg): \_\_\_\_\_

| Analyte   | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) |   |       |   |       |   | Preparation Blank | C | M |
|-----------|-----------------------------|-------------------------------------|---|-------|---|-------|---|-------------------|---|---|
|           |                             | 1                                   | C | 2     | C | 3     | C |                   |   |   |
| Aluminum  |                             | 22.0                                | B | 55.3  | B | -25.5 | B |                   |   | P |
| Antimony  |                             | 2.5                                 | U | 2.5   | U | 2.5   | U |                   |   | P |
| Arsenic   |                             | 4.2                                 | U | 4.2   | U | 4.2   | U |                   |   | P |
| Barium    |                             | 0.2                                 | U | 0.2   | U | 0.2   | U |                   |   | P |
| Beryllium |                             | -.3                                 | B | 0.1   | B | -.6   | B |                   |   | P |
| Cadmium   |                             | 0.6                                 | U | 0.6   | U | 0.6   | U |                   |   | P |
| Calcium   |                             | -48.7                               | B | -23.7 | B | -37.9 | B |                   |   | P |
| Chromium  |                             | 0.5                                 | U | 0.5   | U | 0.5   | U |                   |   | P |
| Cobalt    |                             | 0.7                                 | U | 0.7   | U | 0.7   | U |                   |   | P |
| Copper    |                             | 0.7                                 | U | 0.7   | U | 2.3   | B |                   |   | P |
| Iron      |                             | 14.2                                | U | 14.2  | U | 14.2  | U |                   |   | P |
| Lead      |                             | 1.7                                 | U | 1.7   | U | 1.7   | U |                   |   | P |
| Magnesium |                             | 16.6                                | B | 40.0  | B | 11.8  | B |                   |   | P |
| Manganese |                             | 0.2                                 | B | 0.3   | B | 1.0   | B |                   |   | P |
| Nickel    |                             | 1.3                                 | U | 1.3   | U | 1.3   | U |                   |   | P |
| Potassium |                             | 41.6                                | U | 41.6  | U | 41.6  | U |                   |   | P |
| Selenium  |                             | 4.8                                 | U | 4.8   | U | 4.8   | U |                   |   | P |
| Silver    |                             | 0.5                                 | U | 0.5   | U | 0.7   | B |                   |   | P |
| Sodium    |                             | 152.1                               | U | 152.1 | U | 152.1 | U |                   |   | P |
| Thallium  |                             | 6.2                                 | U | 6.2   | U | 6.2   | U |                   |   | P |
| Vanadium  |                             | 0.7                                 | B | 0.7   | U | 0.7   | B |                   |   | P |
| Zinc      |                             | -4.4                                | B | -3.9  | B | -2.0  | B |                   |   | P |

U. S. EPA - CLP

3

BLANKS

Lab Name: COMPUCHEM Contract: 68W00082

Lab Code: LIBERTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG NO.: ME0001

Preparation Blank Matrix (soil/water): \_\_\_\_\_

Preparation Blank Concentration Units (ug/L or mg/kg): \_\_\_\_\_

| Analyte   | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) |   |       |   |        |   | Preparation Blank | C | M |
|-----------|-----------------------------|-------------------------------------|---|-------|---|--------|---|-------------------|---|---|
|           |                             | 1                                   | C | 2     | C | 3      | C |                   |   |   |
| Aluminum  |                             | -41.9                               | B | -48.3 | B | 26.7   | B |                   |   | P |
| Antimony  |                             | 2.5                                 | U | 2.5   | U | 2.5    | U |                   |   | P |
| Arsenic   |                             | 4.2                                 | U | 4.2   | U | 4.2    | U |                   |   | P |
| Barium    |                             | 0.2                                 | U | 0.2   | U | 0.2    | U |                   |   | P |
| Beryllium |                             | -.8                                 | B | -.6   | B | -.3    | B |                   |   | P |
| Cadmium   |                             | 0.6                                 | U | 0.6   | U | 0.6    | U |                   |   | P |
| Calcium   |                             | -21.9                               | B | -37.2 | B | -30.1  | B |                   |   | P |
| Chromium  |                             | -.5                                 | B | 0.5   | U | 0.5    | U |                   |   | P |
| Cobalt    |                             | 0.7                                 | U | 0.7   | U | 0.7    | U |                   |   | P |
| Copper    |                             | 2.7                                 | B | 2.3   | B | 0.7    | U |                   |   | P |
| Iron      |                             | 14.2                                | U | 14.2  | U | 14.2   | U |                   |   | P |
| Lead      |                             | 1.7                                 | U | 1.7   | U | 1.7    | U |                   |   | P |
| Magnesium |                             | 23.8                                | B | 11.7  | B | 26.8   | B |                   |   | P |
| Manganese |                             | 0.4                                 | B | 0.6   | B | 0.3    | B |                   |   | P |
| Nickel    |                             | 1.3                                 | U | 1.3   | U | 1.3    | U |                   |   | P |
| Potassium |                             | 41.6                                | U | 41.6  | U | 41.6   | U |                   |   | P |
| Selenium  |                             | 4.8                                 | U | 4.8   | U | 4.8    | U |                   |   | P |
| Silver    |                             | 0.5                                 | U | 0.5   | U | 0.5    | B |                   |   | P |
| Sodium    |                             | -473.2                              | B | 152.1 | U | -267.3 | B |                   |   | P |
| Thallium  |                             | 6.2                                 | U | 6.2   | U | 6.2    | U |                   |   | P |
| Vanadium  |                             | 0.7                                 | U | 0.7   | B | 0.7    | U |                   |   | P |
| Zinc      |                             | -4.0                                | B | -4.5  | B | -4.4   | B |                   |   | P |

U. S. EPA - CLP

3

BLANKS

Lab Name: COMPUCHEM Contract: 68W00082  
 Lab Code: LIBRTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG NO.: ME0001  
 Preparation Blank Matrix (soil/water): \_\_\_\_\_  
 Preparation Blank Concentration Units (ug/L or mg/kg): \_\_\_\_\_

| Analyte   | Initial Calib. Blank (ug/L) |   | Continuing Calibration Blank (ug/L) |   |      |   |      |   | Preparation Blank | C | M |
|-----------|-----------------------------|---|-------------------------------------|---|------|---|------|---|-------------------|---|---|
|           |                             | C | 1                                   | C | 2    | C | 3    | C |                   |   |   |
| Arsenic   | 4.2                         | U | 4.2                                 | U | 4.2  | U |      |   |                   |   | P |
| Barium    | 0.2                         | U | 0.2                                 | U | 0.3  | B | 0.3  | B |                   |   | P |
| Beryllium | 0.1                         | U | 0.1                                 | B | 0.2  | B | 0.3  | B |                   |   | P |
| Cadmium   | 0.6                         | U | 0.6                                 | U | 0.6  | U | 0.6  | U |                   |   | P |
| Iron      | 14.2                        | U | 14.2                                | U | 14.2 | U | 18.1 | B |                   |   | P |
| Manganese | 0.1                         | U | 0.2                                 | B | 0.9  | B | 0.3  | B |                   |   | P |
| Nickel    | 1.3                         | U | 1.3                                 | U | 1.3  | U | 1.3  | U |                   |   | P |
| Selenium  | 4.8                         | U | 4.8                                 | U | 4.8  | U | 4.8  | U |                   |   | P |
| Silver    | 0.5                         | U | 0.5                                 | U | 0.5  | U | 0.5  | U |                   |   | P |
| Thallium  | 6.2                         | U | 6.2                                 | U | 6.2  | U | 6.2  | U |                   |   | P |
| Vanadium  | 0.7                         | U | 0.7                                 | U | 0.7  | U | 0.7  | U |                   |   | P |
| Zinc      | -4.4                        | B | -4.3                                | B | -3.9 | B | -4.1 | B |                   |   | P |

U. S. EPA - CLP  
5A  
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME0001S

Lab Name: COMPUCHEM Contract: 68W00082

Lab Code: LIBERTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG NO.: ME0001

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 86.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte   | Control Limit %R | Spiked Sample Result (SSR) C | Sample Result (SR) C | Spike Added (SA) | %R      | Q | M  |
|-----------|------------------|------------------------------|----------------------|------------------|---------|---|----|
| Antimony  | 75 - 125         | 49.5655                      | 9.0344 B             | 116.00           | 34.9    | N | P  |
| Arsenic   | 75 - 125         | 20.8778                      | 15.5548              | 9.30             | 57.2    | N | P  |
| Barium    | 75 - 125         | 596.0425                     | 273.8061             | 464.00           | 69.4    | N | P  |
| Beryllium | 75 - 125         | 8.4828                       | 1.3133               | 11.60            | 61.8    | N | P  |
| Cadmium   | 75 - 125         | 18.9380                      | 12.3219              | 11.60            | 57.0    | N | P  |
| Chromium  |                  | 278.1207                     | 279.6664             | 46.40            | -3.3    |   | P  |
| Cobalt    | 75 - 125         | 82.9413                      | 6.3211 B             | 116.00           | 66.0    | N | P  |
| Copper    |                  | 853.9783                     | 939.6235             | 58.00            | -147.7  |   | P  |
| Lead      |                  | 622.6935                     | 793.9824             | 4.60             | -3723.6 |   | P  |
| Manganese |                  | 5308.0078                    | 5796.9307            | 116.00           | -421.5  |   | P  |
| Mercury   | 75 - 125         | 0.9768                       | 0.4433               | 0.58             | 92.0    |   | CV |
| Nickel    | 75 - 125         | 130.4654                     | 69.1882              | 116.00           | 52.8    | N | P  |
| Selenium  | 75 - 125         | 4.9068                       | 3.5364               | 2.30             | 59.6    | N | P  |
| Silver    | 75 - 125         | 16.6840                      | 46.3784              | 11.60            | -256.0  | N | P  |
| Thallium  | 75 - 125         | 18.1392                      | 9.5612               | 11.60            | 73.9    | N | P  |
| Vanadium  | 75 - 125         | 177.0319                     | 105.8296             | 116.00           | 61.4    | N | P  |
| Zinc      |                  | 16118.9326                   | 18698.6973           | 116.00           | -2223.9 |   | P  |
| Cyanide   | 75 - 125         | 11.4518                      | 6.4301               | 5.80             | 86.6    |   | CA |

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

U. S. EPA - CLP  
5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME0001A

Lab Name: COMPUCHEM Contract: 68W00082  
 Lab Code: LIBERTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG NO.: ME0001  
 Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

| Analyte   | Control Limit %R | Spiked Sample Result (SSR) C | Sample Result (SR) C | Spike Added (SA) | %R    | Q | M |
|-----------|------------------|------------------------------|----------------------|------------------|-------|---|---|
| Antimony  |                  | 163.06                       | 38.94 B              | 120.0            | 103.4 |   | P |
| Arsenic   |                  | 194.07                       | 67.04                | 130.0            | 97.7  |   | P |
| Barium    |                  | 3535.08                      | 1180.10              | 2400.0           | 98.1  |   | P |
| Beryllium |                  | 16.13                        | 5.66                 | 11.0             | 95.2  |   | P |
| Cadmium   |                  | 153.26                       | 53.11                | 110.0            | 91.0  |   | P |
| Cobalt    |                  | 125.93                       | 27.24 B              | 100.0            | 98.7  |   | P |
| Nickel    |                  | 863.67                       | 298.20               | 600.0            | 94.2  |   | P |
| Selenium  |                  | 43.44                        | 15.24                | 30.0             | 94.0  |   | P |
| Silver    |                  | 601.66                       | 199.89               | 400.0            | 100.4 |   | P |
| Thallium  |                  | 112.66                       | 41.21                | 82.0             | 87.1  |   | P |
| Vanadium  |                  | 1335.20                      | 456.12               | 900.0            | 97.7  |   | P |

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

U. S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

ME0001D

Lab Name: COMFUCHEM

Contract: 68W00082

Lab Code: LIBERTY Case No.: 29118

SAS No.: \_\_\_\_\_

SDG NO.: ME0001

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 86.2

% Solids for Duplicate: 87.4

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

| Analyte   | Control Limit | Sample (S)  | C | Duplicate (D) | C | RPD   | Q | M  |
|-----------|---------------|-------------|---|---------------|---|-------|---|----|
| Aluminum  |               | 7295.7407   |   | 7594.9380     |   | 4.0   |   | P  |
| Antimony  |               | 9.0344      | B | 7.9608        | B | 12.6  |   | P  |
| Arsenic   |               | 15.5548     |   | 15.4060       |   | 1.0   |   | P  |
| Barium    |               | 273.8061    |   | 295.0731      |   | 7.5   |   | P  |
| Beryllium | 1.2           | 1.3133      |   | 1.3325        |   | 1.4   |   | P  |
| Cadmium   |               | 12.3219     |   | 12.3916       |   | 0.6   |   | P  |
| Calcium   |               | 51554.4102  |   | 57788.3789    |   | 11.4  |   | P  |
| Chromium  |               | 279.6664    |   | 296.2411      |   | 5.8   |   | P  |
| Cobalt    |               | 6.3211      | B | 6.5535        | B | 3.6   |   | P  |
| Copper    |               | 939.6235    |   | 979.6708      |   | 4.2   |   | P  |
| Cyanide   |               | 6.4301      |   | 5.2668        |   | 19.9  |   | CA |
| Iron      |               | 115401.0547 |   | 115682.6797   |   | 0.2   |   | P  |
| Lead      |               | 793.9824    |   | 780.4471      |   | 1.7   |   | P  |
| Magnesium |               | 11101.3945  |   | 12229.1309    |   | 9.7   |   | P  |
| Manganese |               | 5796.9307   |   | 6857.5088     |   | 16.8  |   | P  |
| Mercury   | 0.1           | 0.4433      |   | 0.4002        |   | 10.2  |   | CV |
| Nickel    |               | 69.1882     |   | 66.6516       |   | 3.7   |   | P  |
| Potassium |               | 595.0087    | B | 622.0035      | B | 4.4   |   | P  |
| Selenium  | 1.2           | 3.5364      |   | 3.7512        |   | 5.9   |   | P  |
| Silver    | 2.3           | 46.3784     |   | 8.8908        |   | 135.6 | * | P  |
| Sodium    |               | 35.2900     | U | 35.2900       | U |       |   | P  |
| Thallium  | 2.3           | 9.5612      |   | 9.6615        |   | 1.0   |   | P  |
| Vanadium  |               | 105.8296    |   | 113.1431      |   | 6.7   |   | P  |
| Zinc      |               | 18698.6973  |   | 18492.5352    |   | 1.1   |   | P  |

U. S. EPA - CLP

9

ICP SERIAL DILUTIONS

EPA SAMPLE NO.

ME0001L

Lab Name: COMFUCHEM

Contract: 68W00082

Lab Code: LIBRTY Case No.: 29118

SAS No.:

SDG NO.: ME0001

Matrix (soil/water): SOIL

Level (low/med): LOW

Concentration Units: ug/L

| Analyte   | Initial Sample Result (I) |   | Serial Dilution Result (S) |   | % Difference | Q | M |
|-----------|---------------------------|---|----------------------------|---|--------------|---|---|
|           |                           | C |                            | C |              |   |   |
| Aluminum  | 31444.64                  |   | 30223.64                   |   | 3.9          |   | P |
| Antimony  | 38.94                     | B | 42.48                      | B | 9.1          |   | P |
| Arsenic   | 67.04                     |   | 66.31                      |   | 1.1          |   | P |
| Barium    | 1180.10                   |   | 1206.37                    |   | 2.2          |   | P |
| Beryllium | 5.66                      |   | 1.88                       | B | 66.8         | E | P |
| Cadmium   | 53.11                     |   | 60.22                      |   | 13.4         | E | P |
| Calcium   | 222199.50                 |   | 230305.50                  |   | 3.6          |   | P |
| Chromium  | 1205.36                   |   | 1264.85                    |   | 4.9          |   | P |
| Cobalt    | 27.24                     | B | 28.97                      | B | 6.4          |   | P |
| Copper    | 4049.78                   |   | 3982.62                    |   | 1.7          |   | P |
| Iron      | 49737.85                  |   | 48864.64                   |   | 1.8          |   | P |
| Lead      | 3422.06                   |   | 3452.82                    |   | 0.9          |   | P |
| Magnesium | 47847.01                  |   | 48798.94                   |   | 2.0          |   | P |
| Manganese | 2498.48                   |   | 2464.99                    |   | 1.3          |   | P |
| Nickel    | 298.20                    |   | 303.46                     |   | 1.8          |   | P |
| Potassium | 2564.49                   | B | 1938.91                    | B | 24.4         | E | P |
| Selenium  | 15.24                     |   | 24.00                      | U | 100.0        |   | P |
| Silver    | 199.89                    |   | 202.63                     |   | 1.4          |   | P |
| Sodium    | 152.10                    | U | 760.50                     | U |              |   | P |
| Thallium  | 41.21                     |   | 100.40                     |   | 143.6        |   | P |
| Vanadium  | 456.13                    |   | 477.70                     |   | 4.7          |   | P |
| Zinc      | 8059.14                   |   | 7695.65                    |   | 4.5          |   | P |

U. S. EPA - CLP

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: COMFUCHEM Contract: 68W00082  
 Lab Code: LIBRTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG NO.: ME0001  
 ICP ID Number: p3 Date: 01/15/01  
 Flame AA ID Number: \_\_\_\_\_  
 Furnace AA ID Number: \_\_\_\_\_

| Analyte   | Wave-length (nm) | Back-ground | CRDL (ug/L) | IDL (ug/L) | M |
|-----------|------------------|-------------|-------------|------------|---|
| Aluminum  | 308.22           |             | 200         | 15.1       | P |
| Antimony  | 206.84           |             | 60          | 2.5        | P |
| Arsenic   | 189.04           |             | 10          | 4.2        | P |
| Barium    | 493.41           |             | 200         | 0.2        | P |
| Beryllium | 313.04           |             | 5           | 0.1        | P |
| Cadmium   | 226.50           |             | 5           | 0.6        | P |
| Calcium   | 317.93           |             | 5000        | 17.6       | P |
| Chromium  | 267.72           |             | 10          | 0.5        | P |
| Cobalt    | 228.62           |             | 50          | 0.7        | P |
| Copper    | 324.70           |             | 25          | 0.7        | P |
| Iron      | 271.44           |             | 100         | 14.2       | P |
| Lead      | 220.35           |             | 3           | 1.7        | P |
| Magnesium | 279.08           |             | 5000        | 8.9        | P |
| Manganese | 257.61           |             | 15          | 0.1        | P |
| Nickel    | 231.60           |             | 40          | 1.3        | P |
| Potassium | 766.49           |             | 5000        | 41.6       | P |
| Selenium  | 196.03           |             | 5           | 4.8        | P |
| Silver    | 328.07           |             | 10          | 0.5        | P |
| Sodium    | 330.23           |             | 5000        | 152.1      | P |
| Thallium  | 190.86           |             | 10          | 6.2        | P |
| Vanadium  | 292.40           |             | 50          | 0.7        | P |
| Zinc      | 213.86           |             | 20          | 1.1        | P |

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

U. S. EPA - CLP

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: COMPUCHEM Contract: 68W00082  
Lab Code: LIBRTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG NO.: ME0001  
ICP ID Number: \_\_\_\_\_ Date: 01/15/01  
Flame AA ID Number: V2  
Furnace AA ID Number: \_\_\_\_\_

| Analyte | Wave-length (nm) | Back-ground | CRDL (ug/L) | IDL (ug/L) | M  |
|---------|------------------|-------------|-------------|------------|----|
| Mercury | 253.70           |             | 0.2         | 0.1        | CV |

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

U. S. EPA - CLP

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: COMPUCHEM Contract: 68W00082  
Lab Code: LIBRTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG NO.: ME0001  
ICP ID Number: \_\_\_\_\_ Date: 01/17/01  
Flame AA ID Number: C2  
Furnace AA ID Number: \_\_\_\_\_

| Analyte | Wave-length (nm) | Back-ground | CRDL (ug/L) | IDL (ug/L) | M  |
|---------|------------------|-------------|-------------|------------|----|
| Cyanide |                  |             | 10          | 0.6        | CA |

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

U. S. EPA - CLP  
13  
PREPARATION LOG

Lab Name: COMPUCHEM Contract: 68W00082  
 Lab Code: LIBRTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG NO.: ME0001  
 Method: P

| EPA Sample No. | Preparation Date | Weight (grams) | Volume (mL) |
|----------------|------------------|----------------|-------------|
| LCSS           | 04/06/01         | 1.00           | 200         |
| ME0001         | 04/06/01         | 1.00           | 200         |
| ME0001D        | 04/06/01         | 1.00           | 200         |
| ME0001S        | 04/06/01         | 1.00           | 200         |
| ME0002         | 04/06/01         | 1.05           | 200         |
| ME0003         | 04/06/01         | 1.04           | 200         |
| ME0004         | 04/06/01         | 1.01           | 200         |
| ME0005         | 04/06/01         | 1.08           | 200         |
| ME0006         | 04/06/01         | 1.01           | 200         |
| ME0007         | 04/06/01         | 1.03           | 200         |
| ME0008         | 04/06/01         | 1.00           | 200         |
| ME0009         | 04/06/01         | 1.05           | 200         |
| ME0010         | 04/06/01         | 1.07           | 200         |
| ME0011         | 04/06/01         | 1.09           | 200         |
| ME0012         | 04/06/01         | 1.05           | 200         |
| ME0013         | 04/06/01         | 1.07           | 200         |
| ME0014         | 04/06/01         | 1.09           | 200         |
| ME0015         | 04/06/01         | 1.00           | 200         |
| ME0016         | 04/06/01         | 1.02           | 200         |
| ME0017         | 04/06/01         | 1.03           | 200         |
| ME0018         | 04/06/01         | 1.02           | 200         |
| ME0019         | 04/06/01         | 1.03           | 200         |
| ME0020         | 04/06/01         | 1.07           | 200         |
| PBS            | 04/06/01         | 1.00           | 200         |

## U. S. EPA - CLP

13

## PREPARATION LOG

Lab Name: COMPUCHEM Contract: 68W00082  
 Lab Code: LIBRTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG NO.: ME0001  
 Method: CV

| EPA Sample No. | Preparation Date | Weight (grams) | Volume (mL) |
|----------------|------------------|----------------|-------------|
| LCSS           | 04/06/01         | 0.20           | 100         |
| ME0001         | 04/06/01         | 0.20           | 100         |
| ME0001D        | 04/06/01         | 0.20           | 100         |
| ME0001S        | 04/06/01         | 0.20           | 100         |
| ME0002         | 04/06/01         | 0.23           | 100         |
| ME0003         | 04/06/01         | 0.20           | 100         |
| ME0004         | 04/06/01         | 0.22           | 100         |
| ME0005         | 04/06/01         | 0.21           | 100         |
| ME0006         | 04/06/01         | 0.29           | 100         |
| ME0007         | 04/06/01         | 0.21           | 100         |
| ME0008         | 04/06/01         | 0.29           | 100         |
| ME0009         | 04/06/01         | 0.21           | 100         |
| ME0010         | 04/06/01         | 0.23           | 100         |
| ME0011         | 04/06/01         | 0.23           | 100         |
| ME0012         | 04/06/01         | 0.20           | 100         |
| ME0013         | 04/06/01         | 0.29           | 100         |
| ME0014         | 04/06/01         | 0.29           | 100         |
| ME0015         | 04/06/01         | 0.24           | 100         |
| ME0016         | 04/06/01         | 0.24           | 100         |
| ME0017         | 04/06/01         | 0.22           | 100         |
| ME0018         | 04/06/01         | 0.28           | 100         |
| ME0019         | 04/06/01         | 0.20           | 100         |
| ME0020         | 04/06/01         | 0.22           | 100         |
| PBS            | 04/06/01         | 0.20           | 100         |

## U. S. EPA - CLP

13

## PREPARATION LOG

Lab Name: COMPUCHEM Contract: 68W00082  
 Lab Code: LIBRTY Case No.: 29118 SAS No.: \_\_\_\_\_ SDG NO.: ME0001  
 Method: CA

| EPA Sample No. | Preparation Date | Weight (grams) | Volume (mL) |
|----------------|------------------|----------------|-------------|
| LCSS           | 04/09/01         | 1.00           | 50          |
| ME0001         | 04/09/01         | 1.00           | 50          |
| ME0001D        | 04/09/01         | 1.00           | 50          |
| ME0001S        | 04/09/01         | 1.00           | 50          |
| ME0002         | 04/09/01         | 1.02           | 50          |
| ME0003         | 04/09/01         | 1.04           | 50          |
| ME0004         | 04/09/01         | 1.03           | 50          |
| ME0005         | 04/09/01         | 1.02           | 50          |
| ME0006         | 04/09/01         | 1.01           | 50          |
| ME0007         | 04/09/01         | 1.01           | 50          |
| ME0008         | 04/09/01         | 1.02           | 50          |
| ME0009         | 04/09/01         | 1.03           | 50          |
| ME0010         | 04/09/01         | 1.04           | 50          |
| ME0011         | 04/09/01         | 1.00           | 50          |
| ME0012         | 04/09/01         | 1.04           | 50          |
| ME0013         | 04/09/01         | 1.02           | 50          |
| ME0014         | 04/09/01         | 1.00           | 50          |
| ME0015         | 04/09/01         | 1.04           | 50          |
| ME0016         | 04/09/01         | 1.03           | 50          |
| ME0017         | 04/09/01         | 1.05           | 50          |
| ME0018         | 04/09/01         | 1.00           | 50          |
| ME0019         | 04/09/01         | 1.01           | 50          |
| ME0020         | 04/09/01         | 1.04           | 50          |
| PBS            | 04/09/01         | 1.00           | 50          |